

FIG. 1

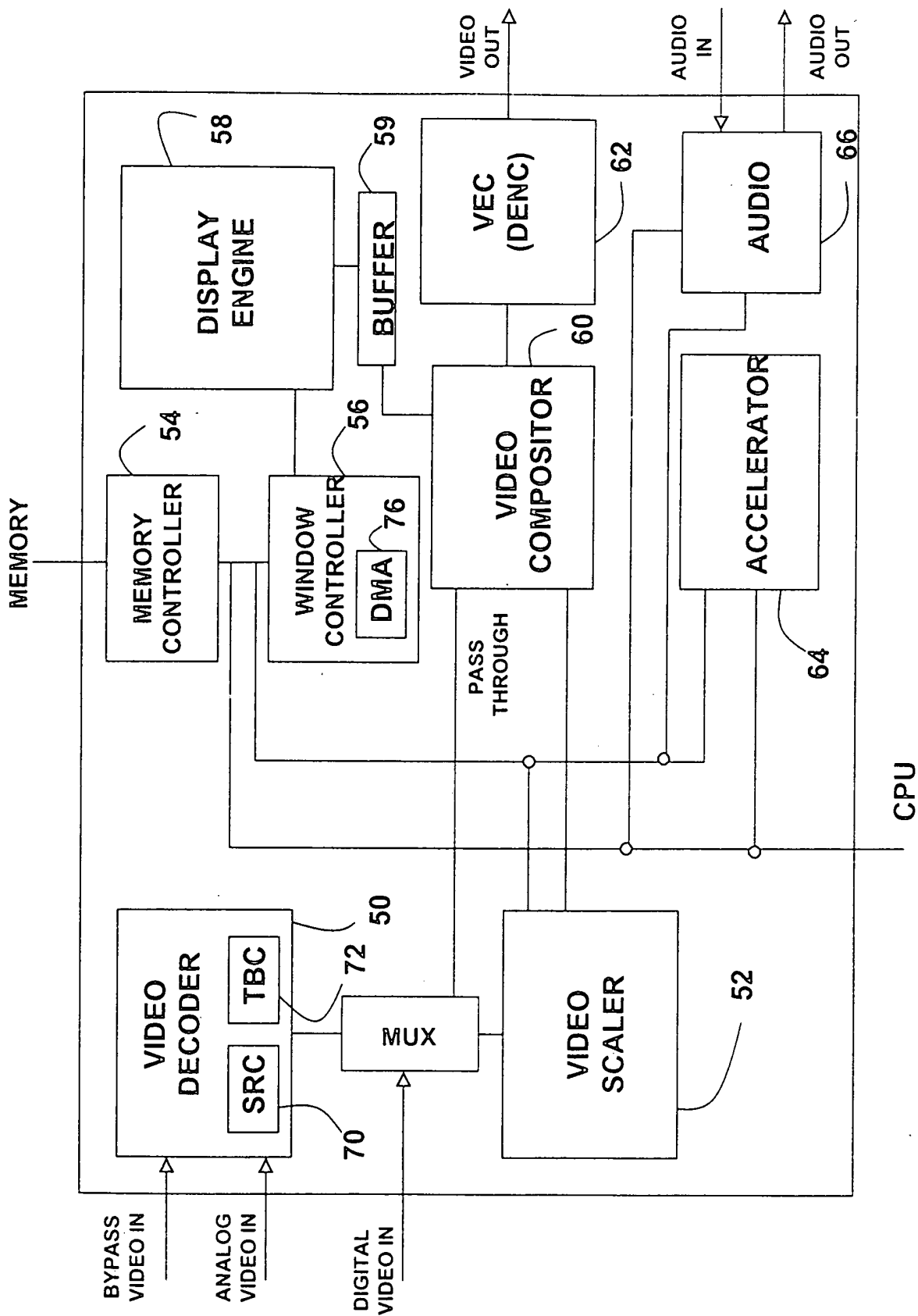


FIG. 2

09437533 1.10993

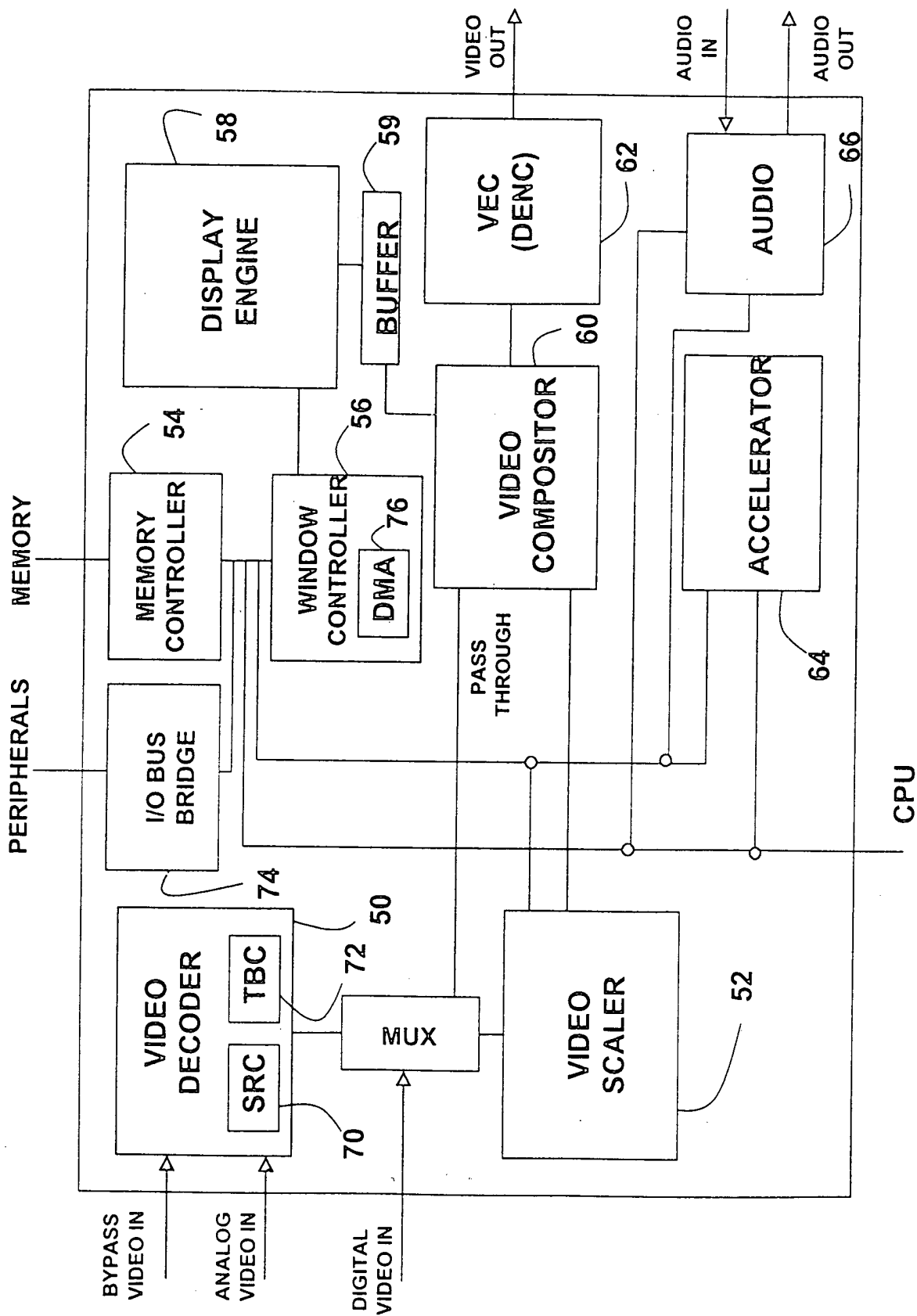


FIG. 3

09427530 110993

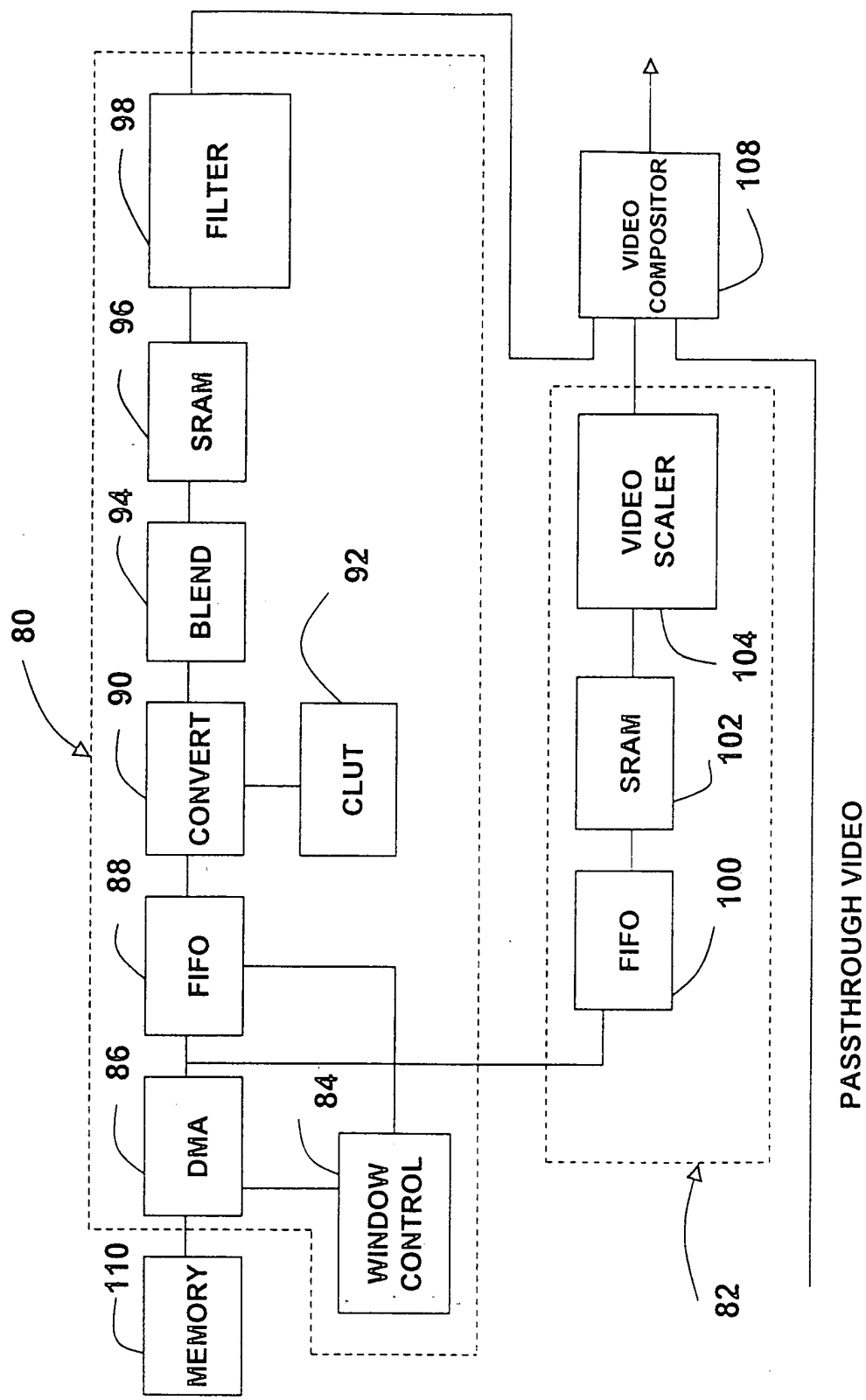
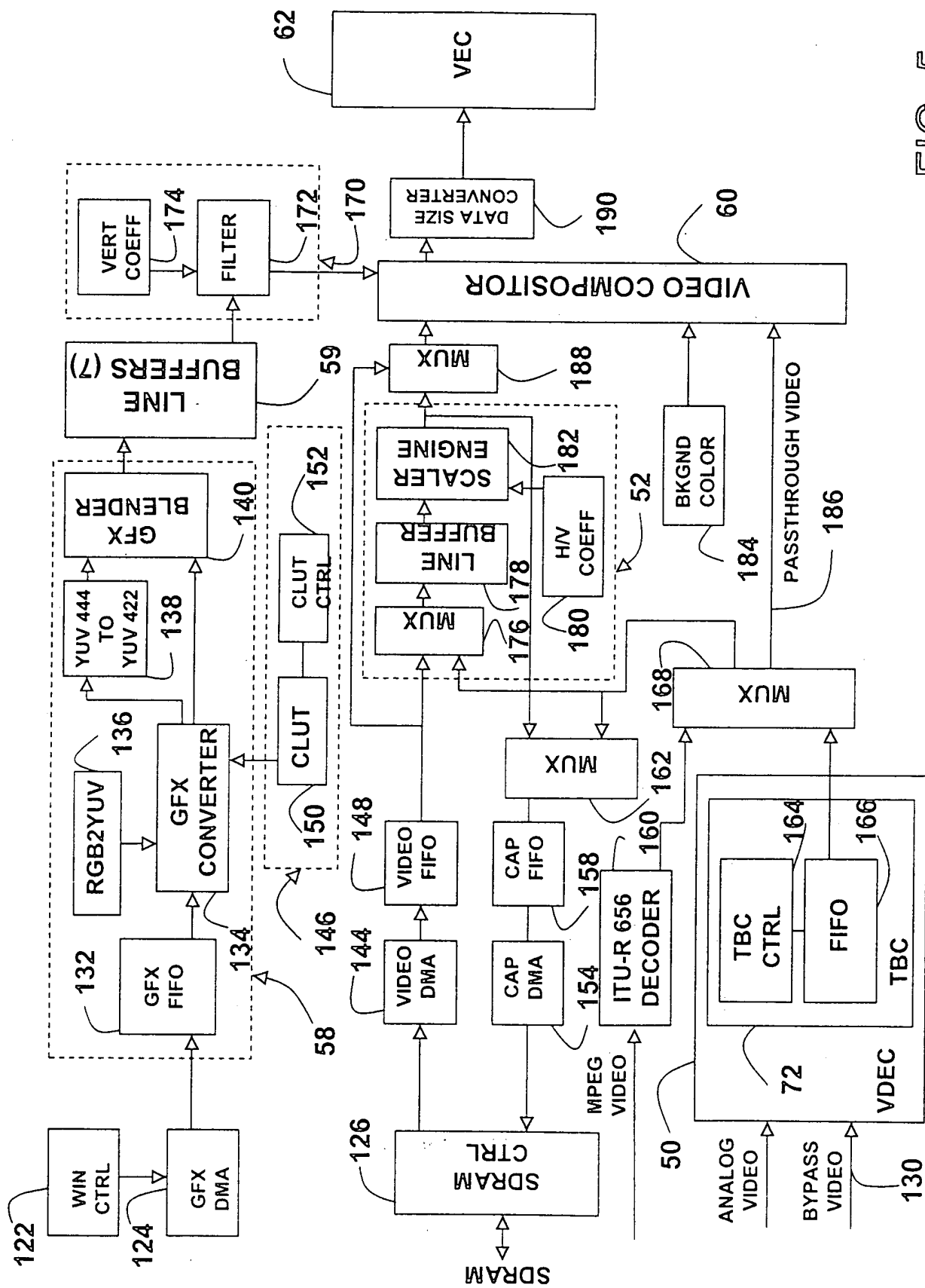


FIG. 4



ה'תש"ח

WINDOW  
OPERATION  
[31:30]

WORD 0

WIN FORMAT [29:26]		WINDOW MEMORY START [25:0]			
WIN LAYER [31:28]	WINDOW MEMORY PITCH [27:16]		WINDOW COLOR [15:0]		
	WINDOW ALPHA [29:22]		WINDOW Y-END [20:11]	WINDOW Y-START [9:0]	
NOT USED [31:27]	BLANK START PIXEL [25:22]		WINDOW X-SIZE [20:11]	WINDOW X-START [9:0]	

WORD 1

WORD 2  
ALPHA TYPE  
[31:30]

WORD 3  
WINDOW  
FILTER  
ENABLE  
[26]

FIG. 6

09437580 110999

The diagram illustrates the processing of window descriptors. At the top, eight window descriptors (WD0 to WD7) are shown, each with parameters labeled 300a through 300h. These parameters are fed into a multiplexer (MUX) and a sorting unit (304). The MUX selects the 'smallest WD parameters' (302) based on the sorting unit's output. The selected parameters are then processed by a DMA unit (306), which handles the 'assemble header and request memory data'. The DMA unit outputs 'WD header, GFX data' to a GFX FIFO (308), which then outputs the 'WD header, GFX data' to the display system (GFX - DISPLAY).

**FIG. 7**

6600-0294-00

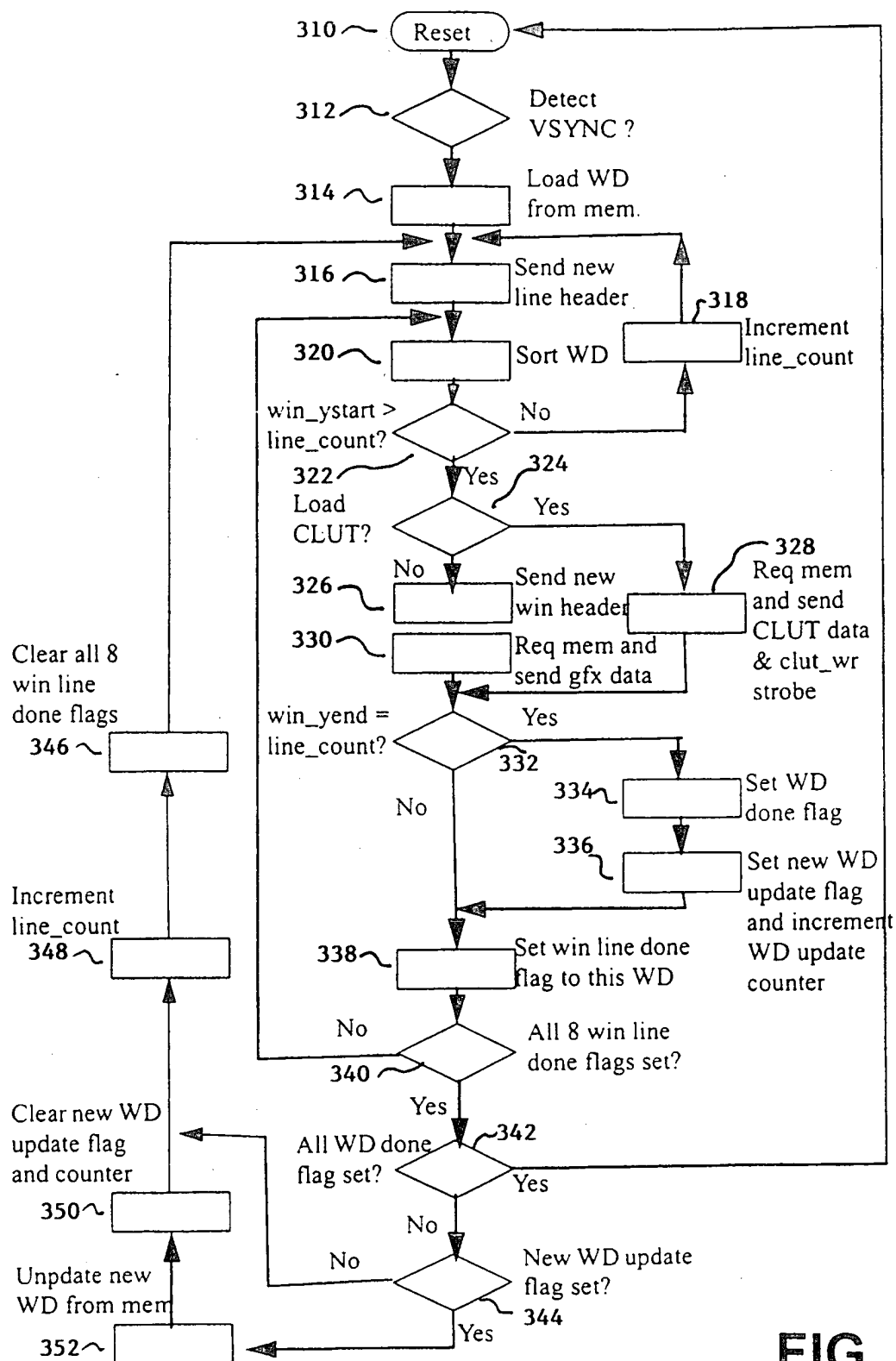


FIG. 8



0894460

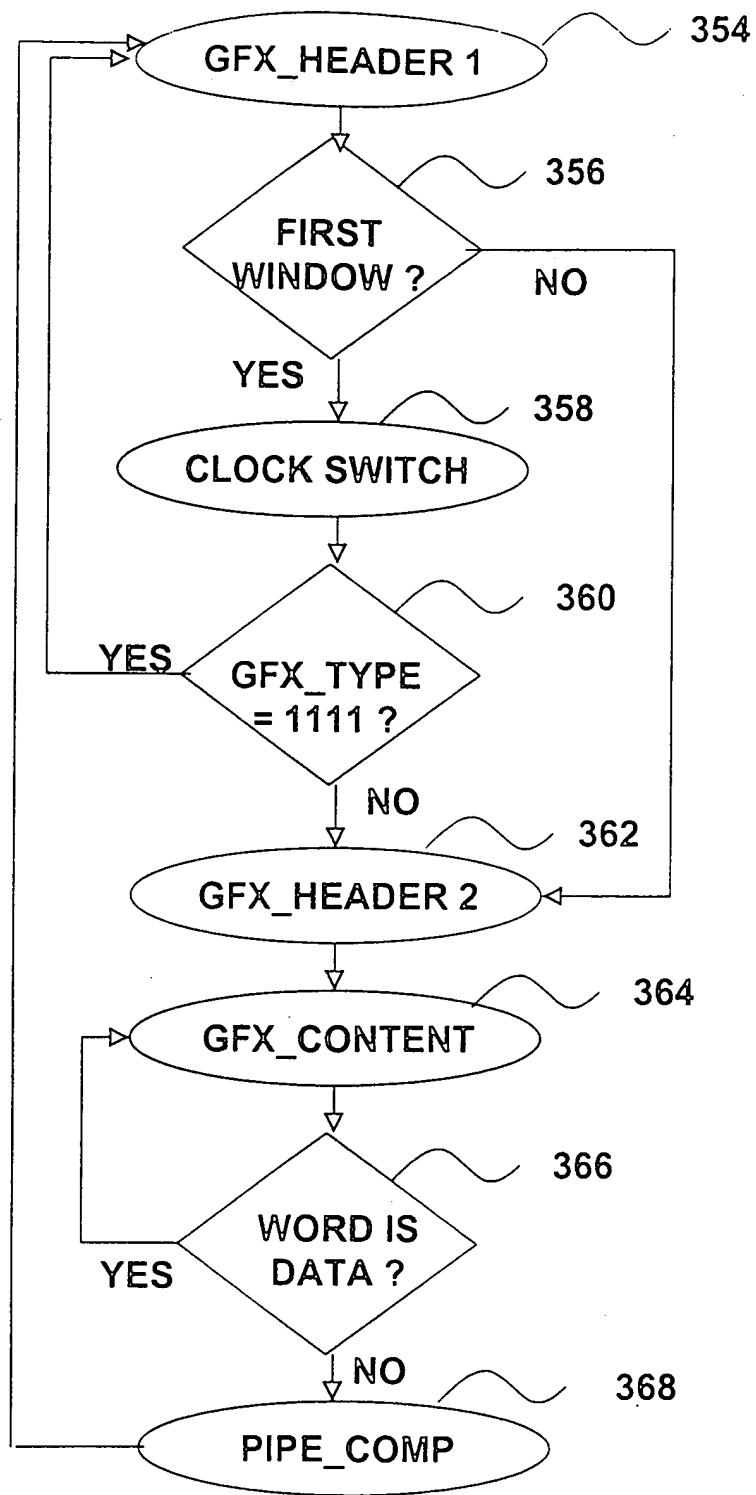


FIG. 9

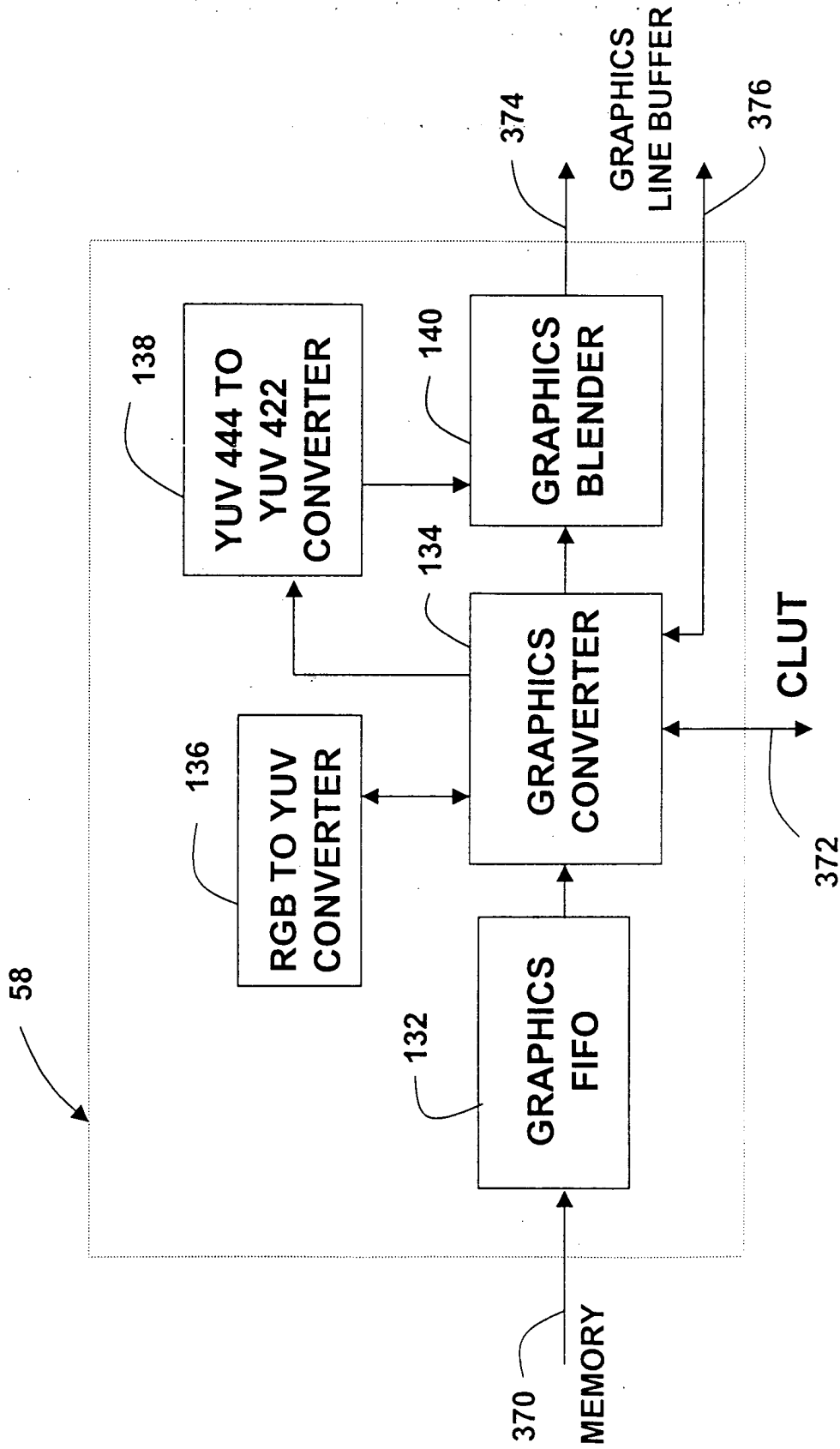


FIG. 10

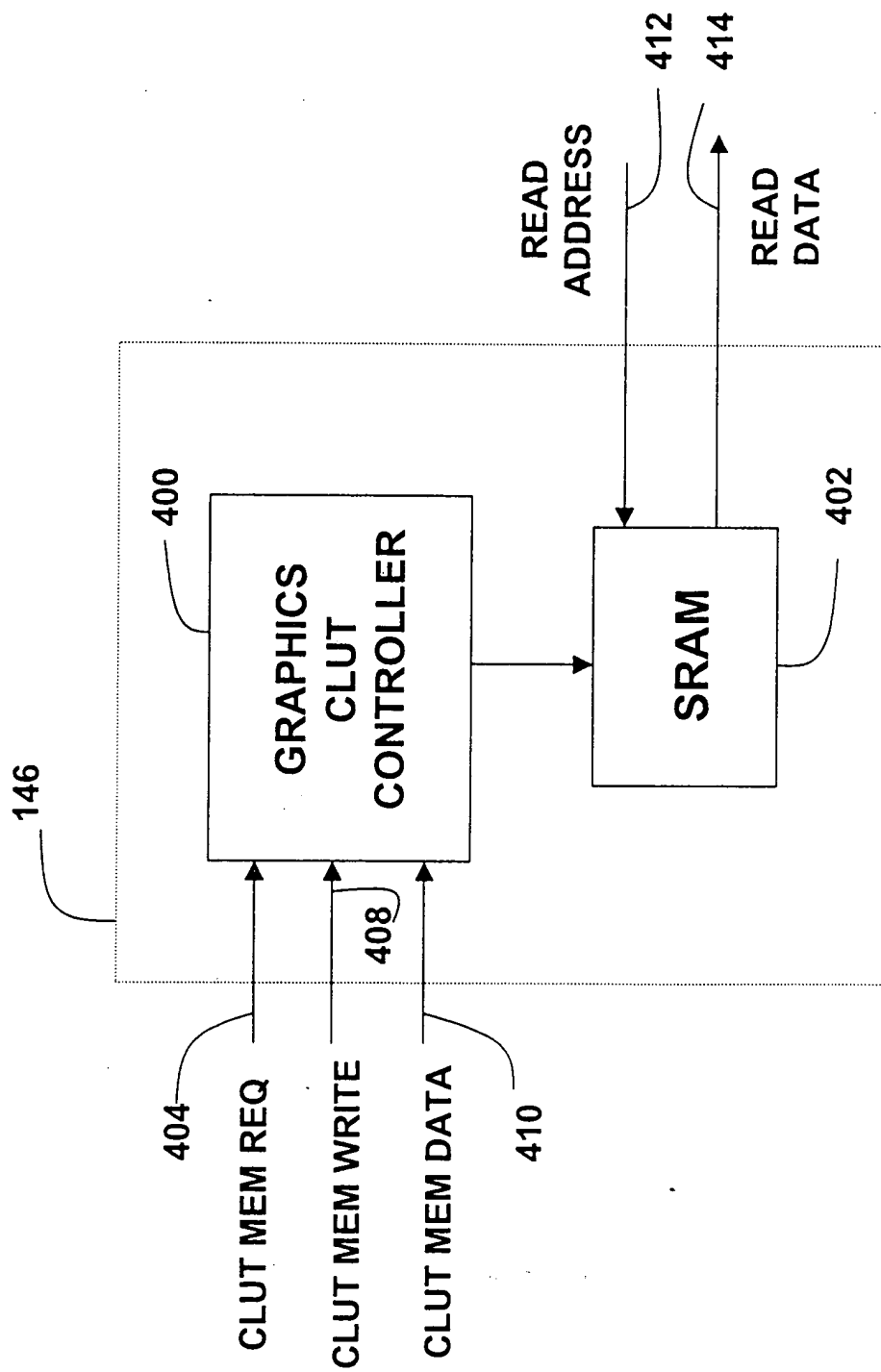
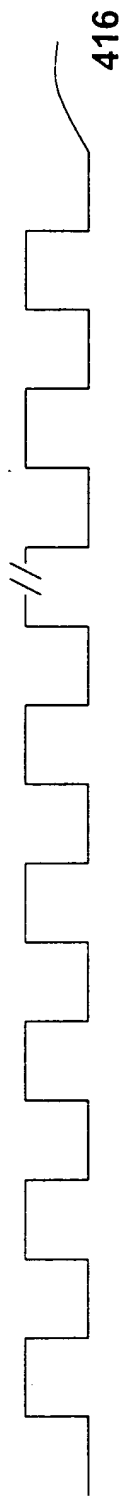
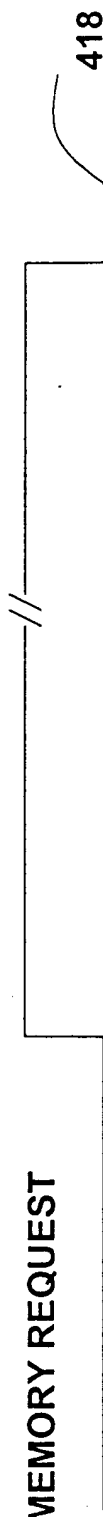


FIG. 11

MEMORY CLOCK



CLUT MEMORY REQUEST



CLUT MEMORY WRITE



CLUT MEMORY DATA



FIG. 12

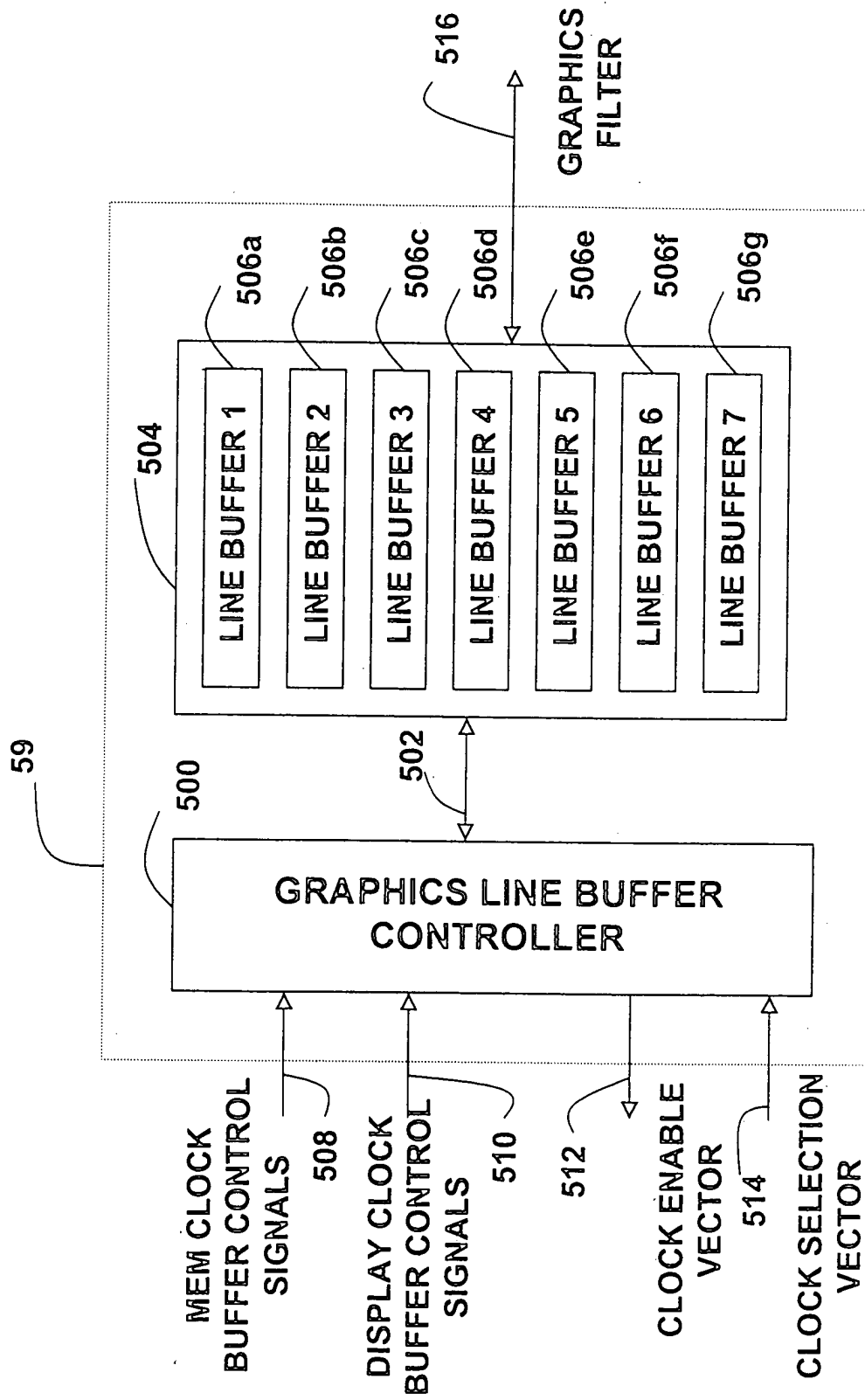


FIG. 13

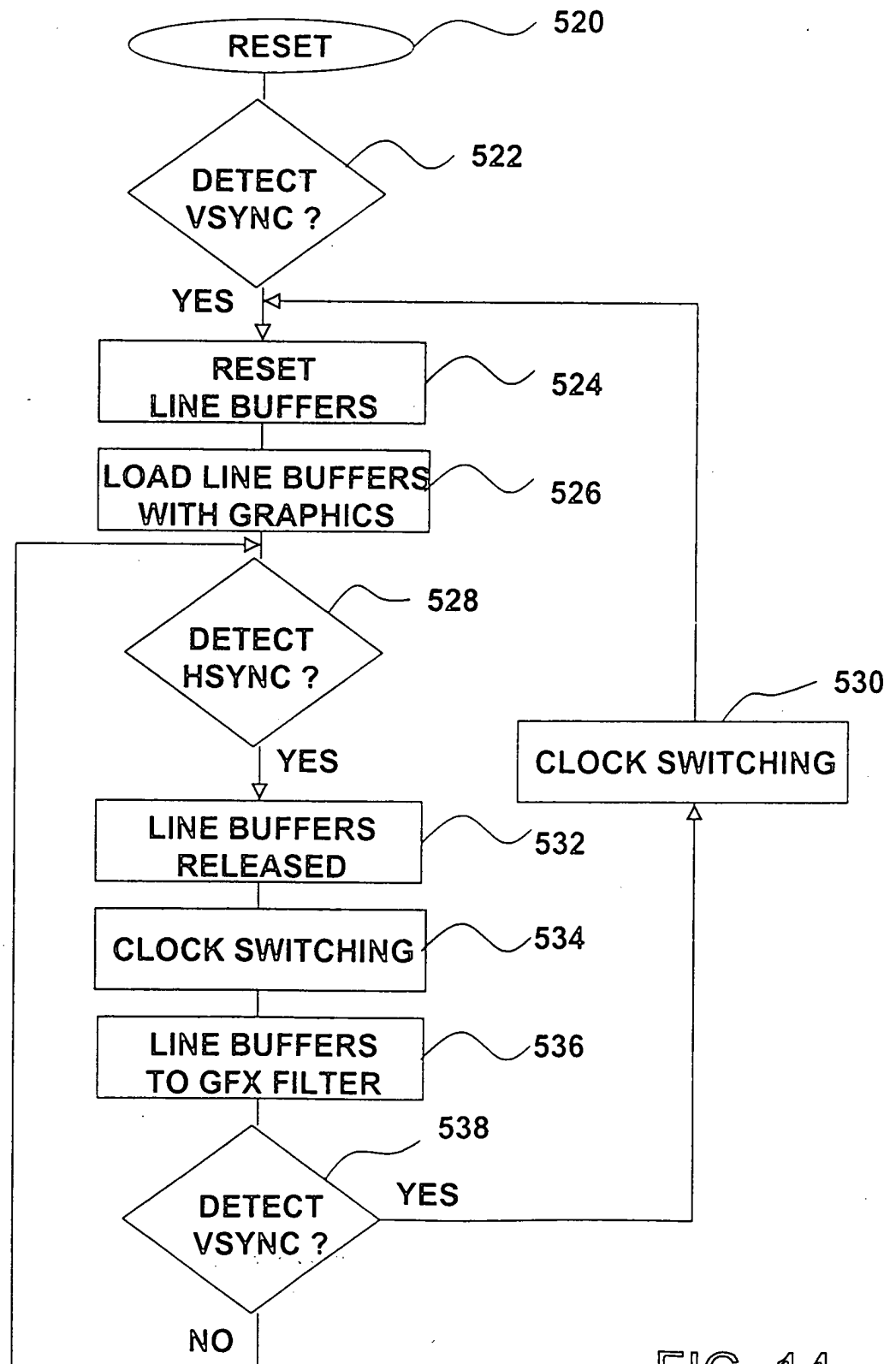


FIG. 14

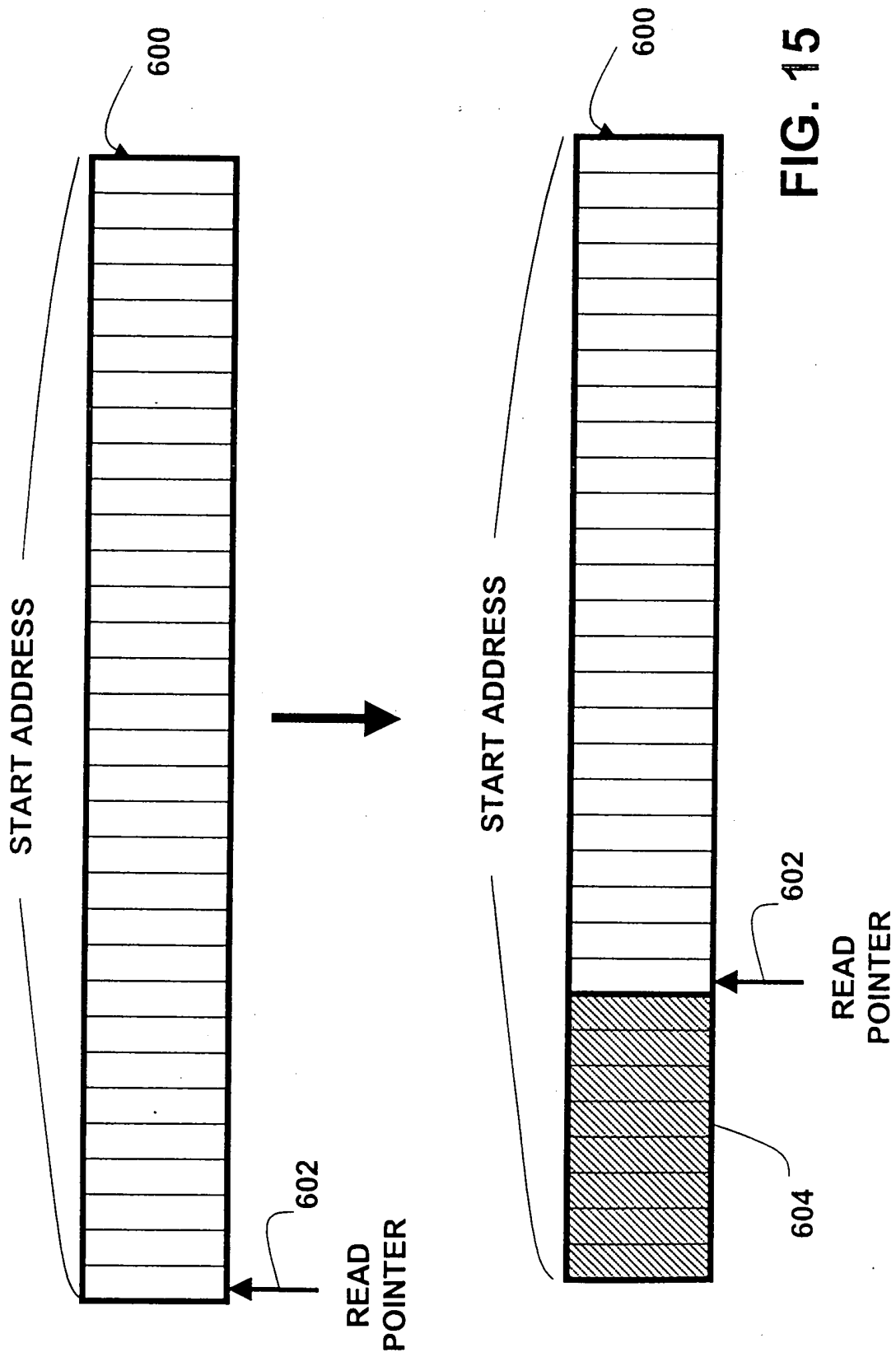


FIG. 15

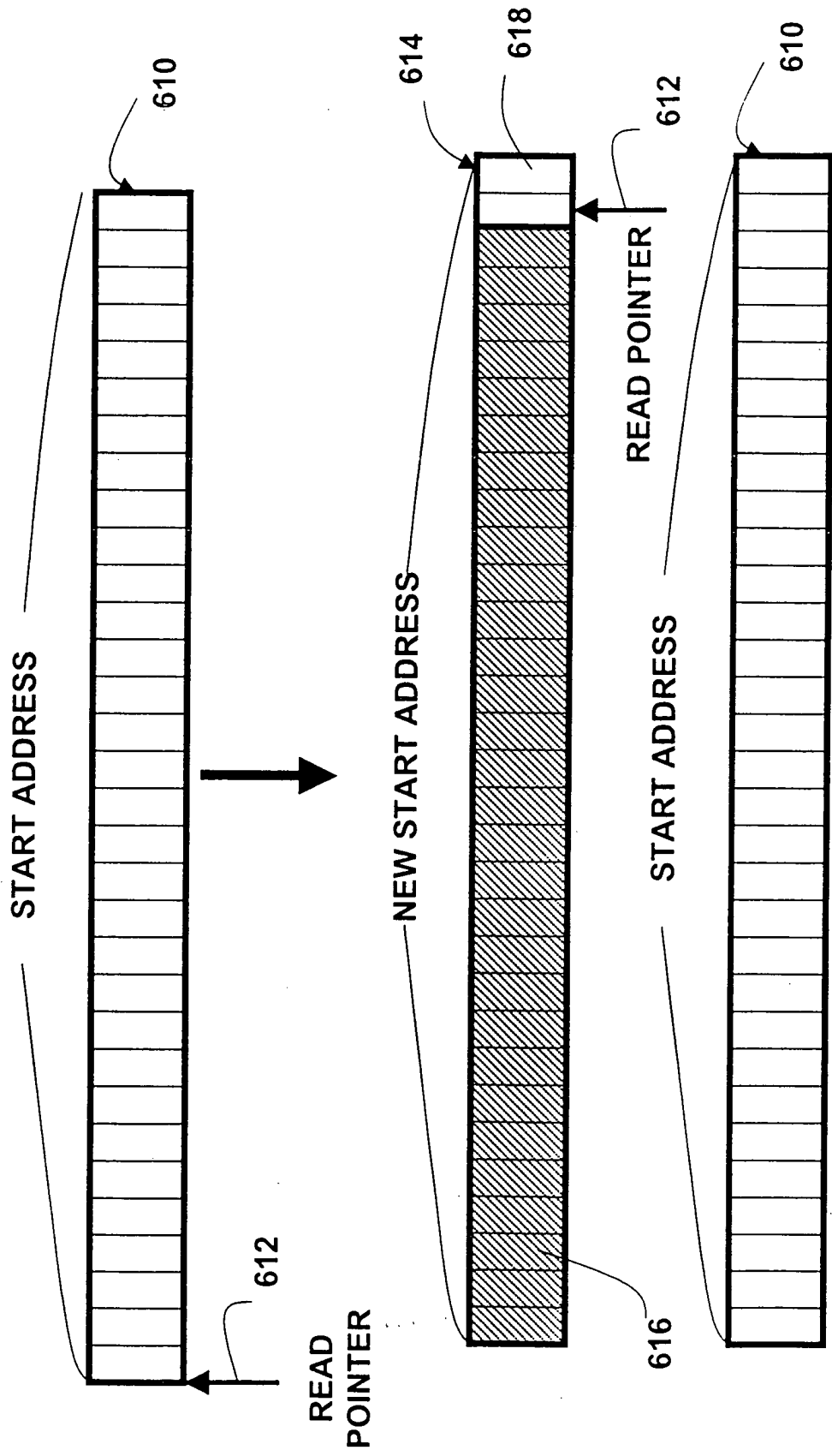


FIG. 16



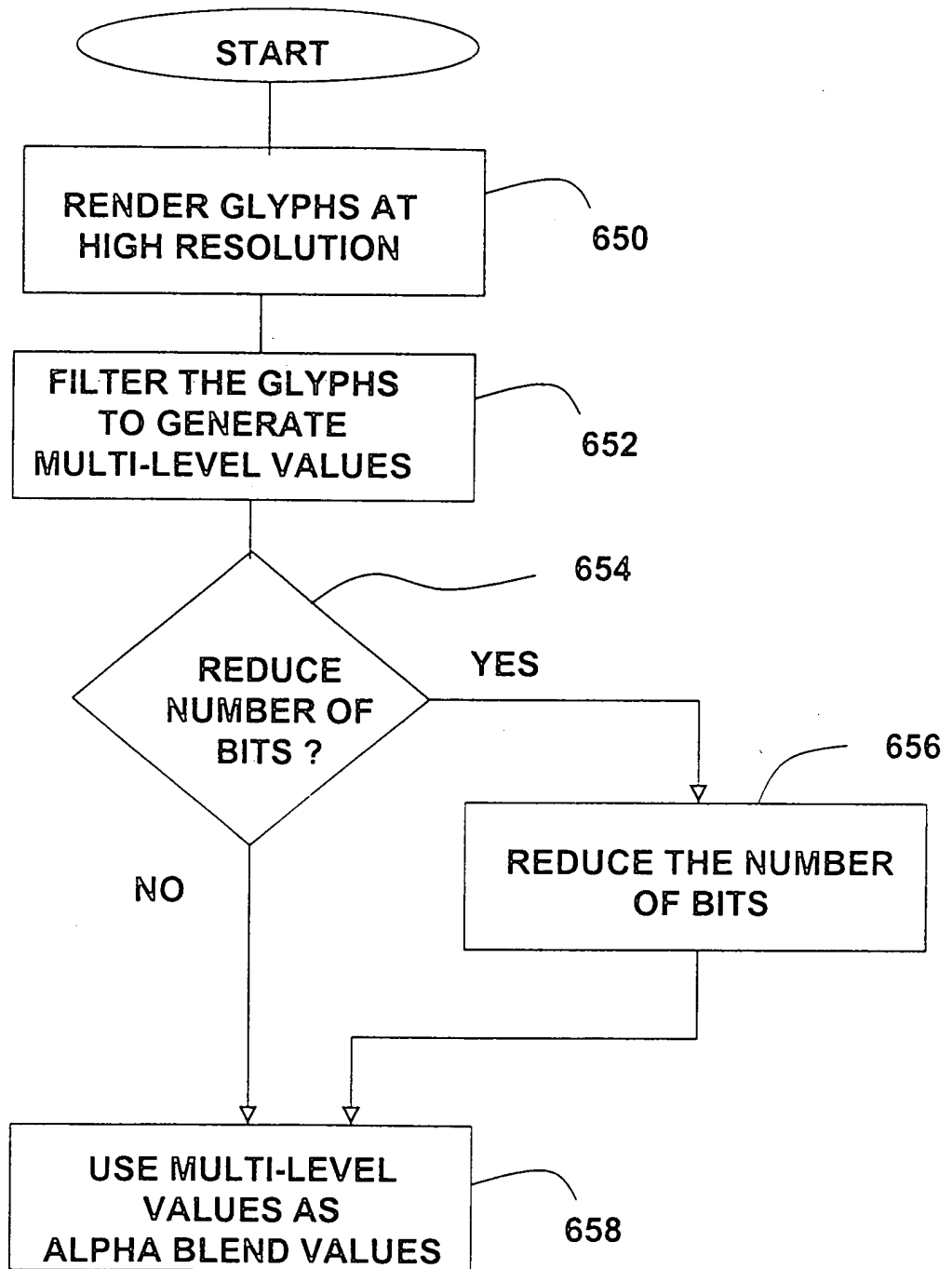


FIG. 17

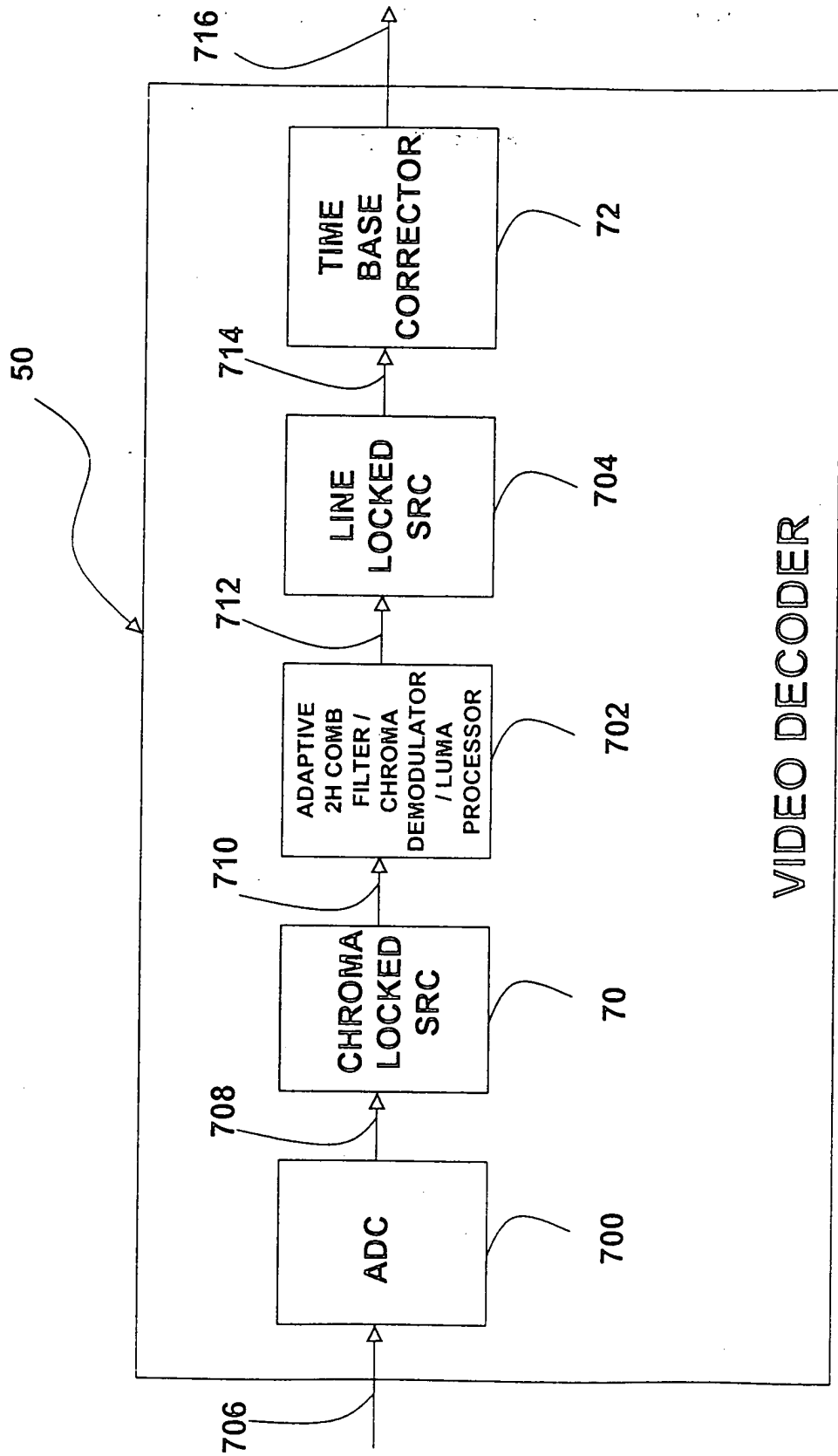


FIG. 18

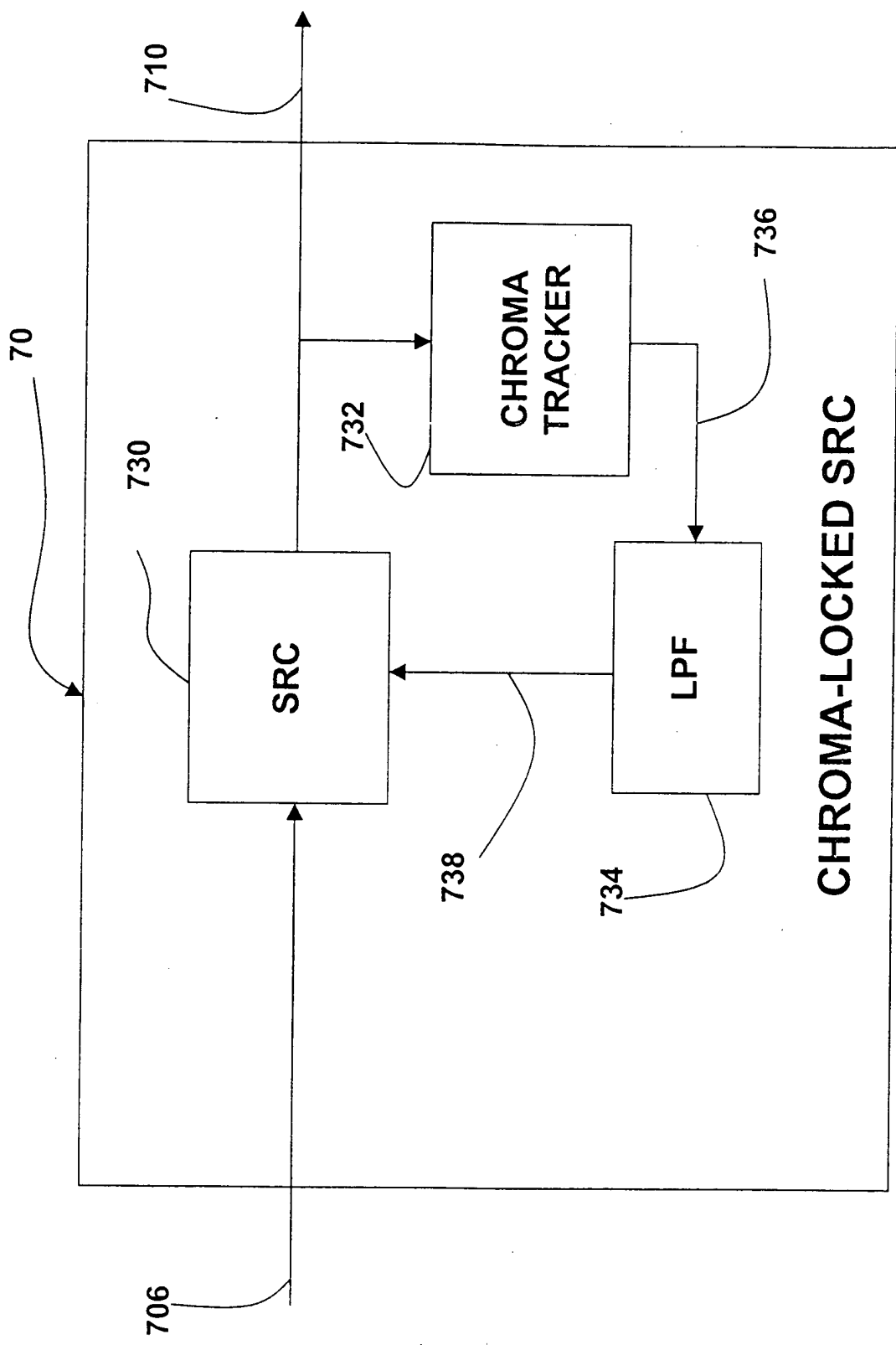


FIG. 19

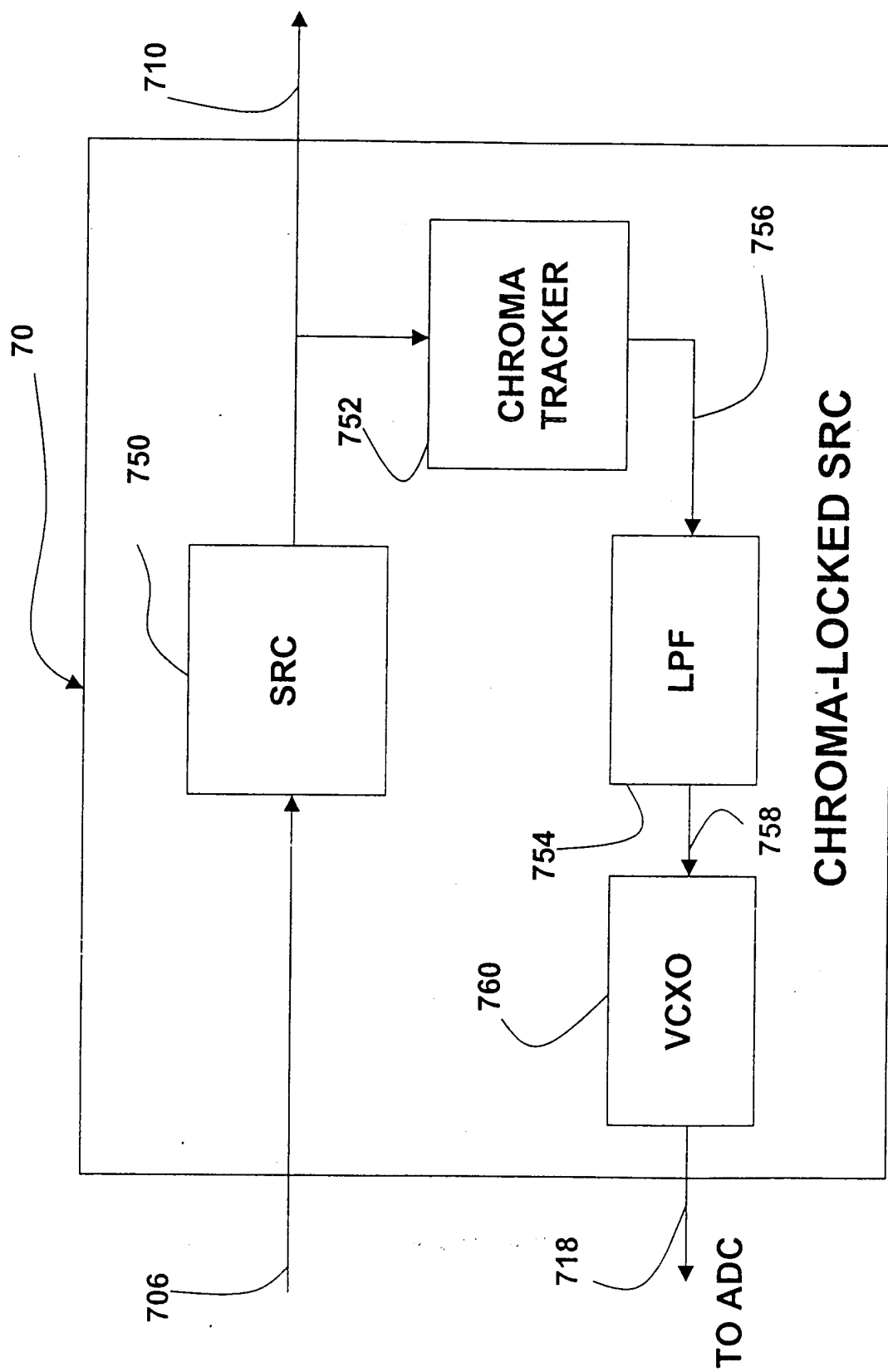


FIG. 20

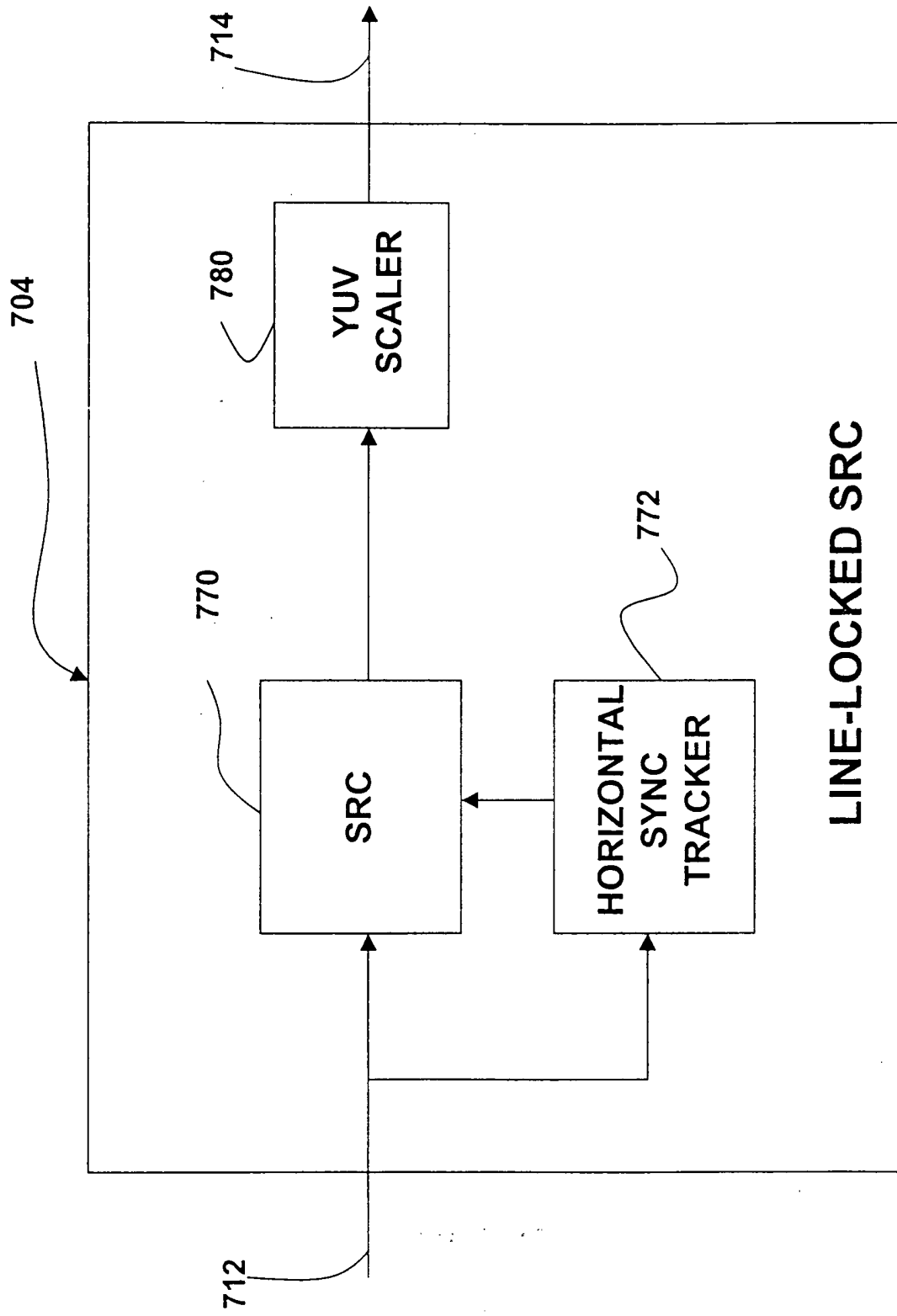


FIG. 21

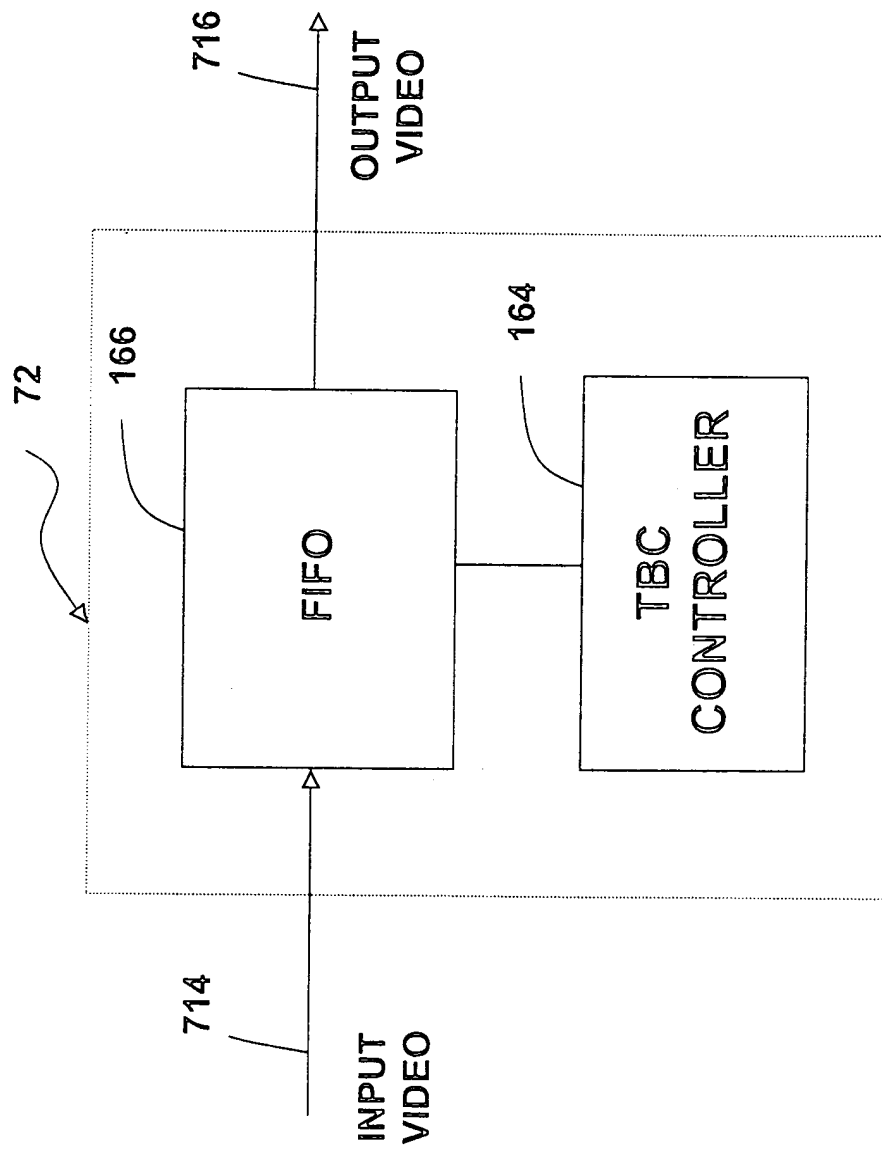


FIG. 22

0447580 11090  
6607 0852450

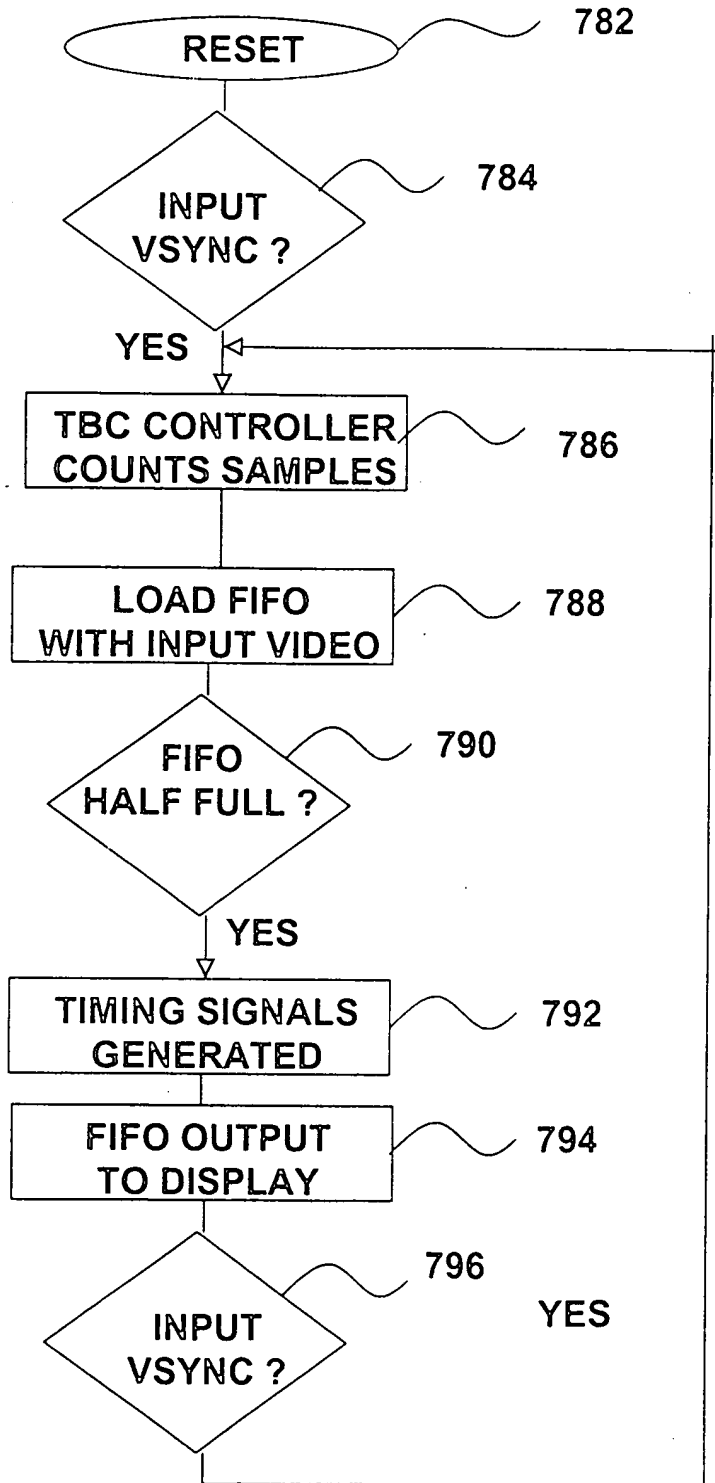


FIG. 23

66001-032260

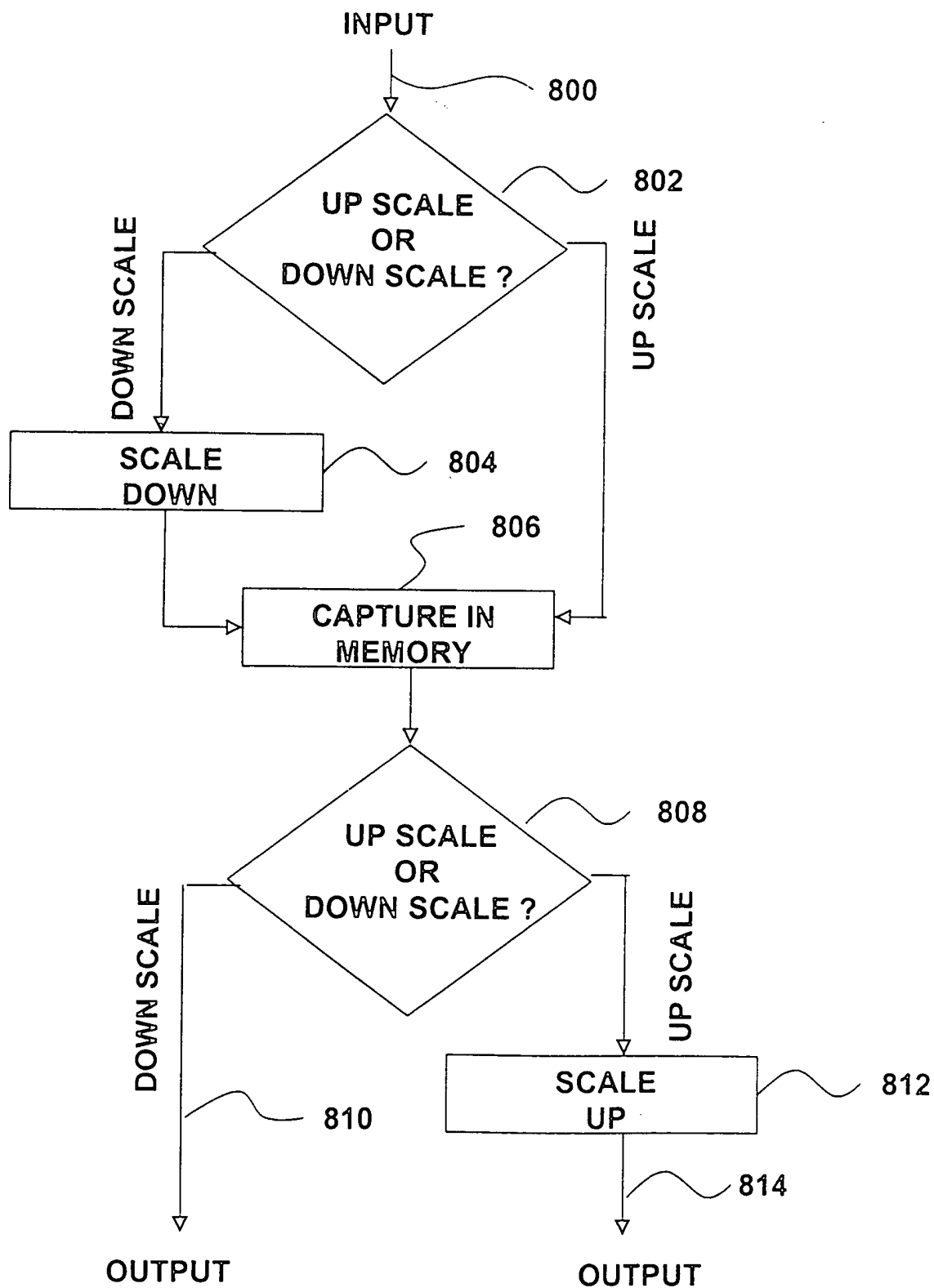


FIG. 24



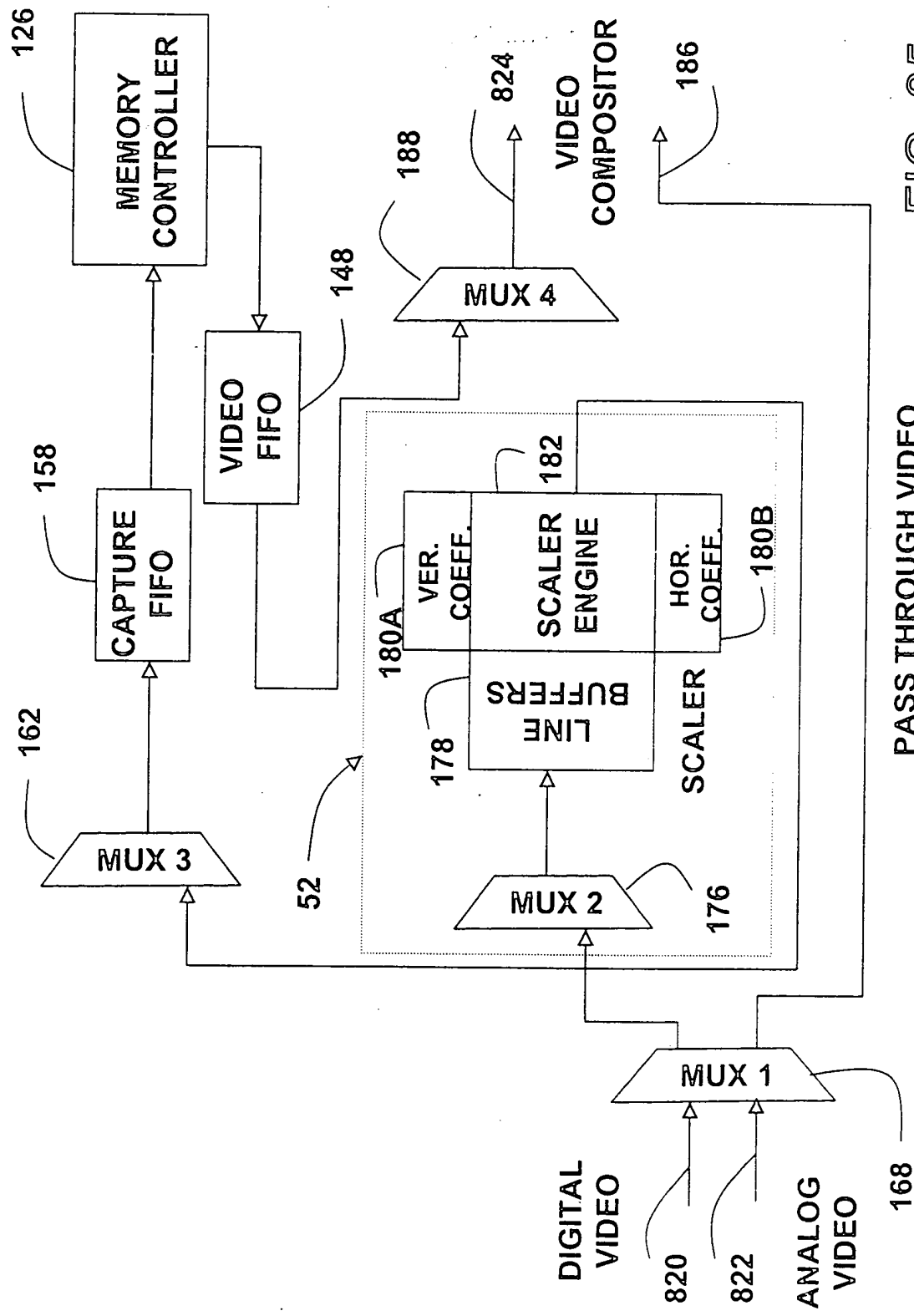


FIG. 25

09437690-110999

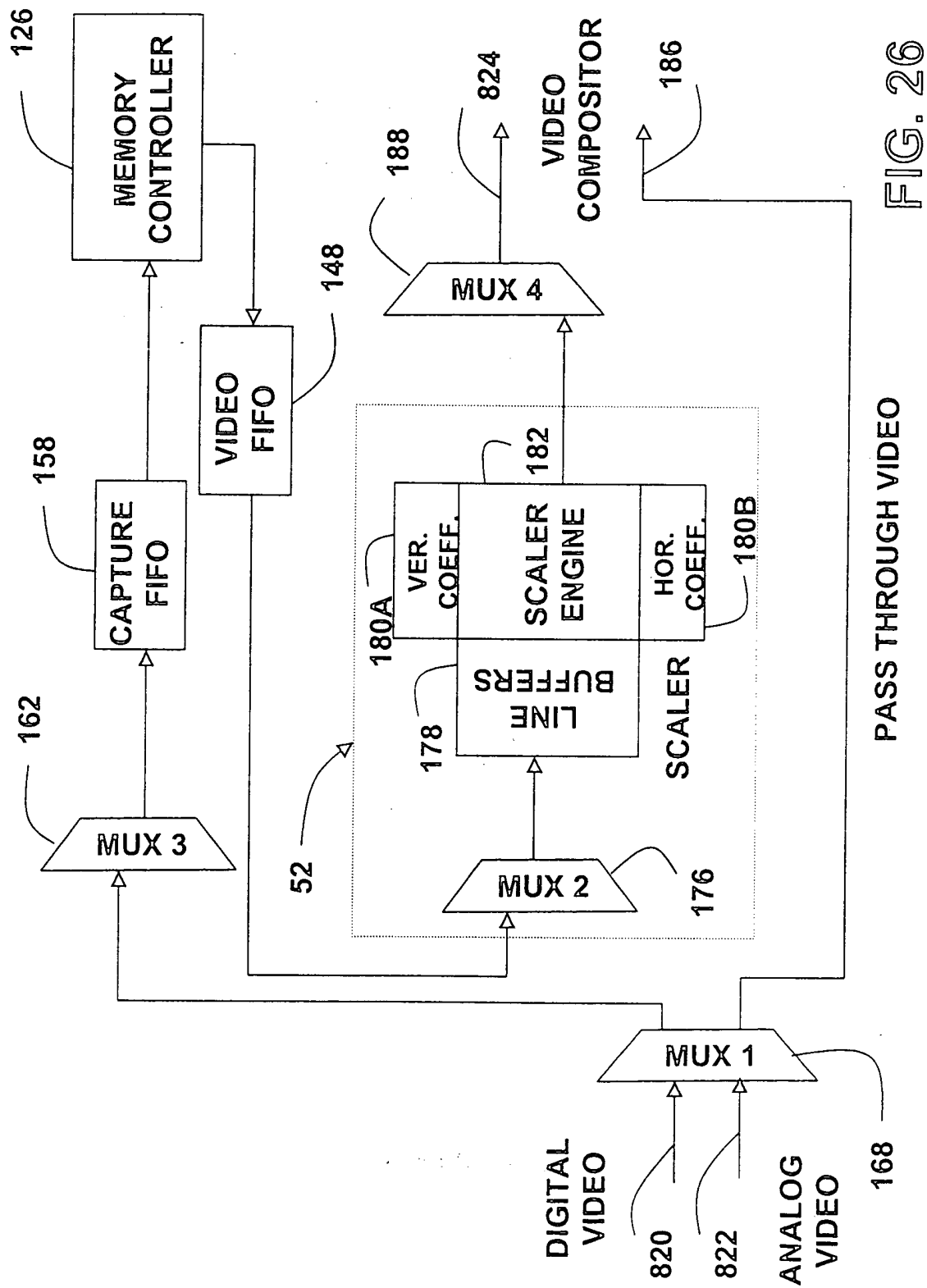


FIG. 26

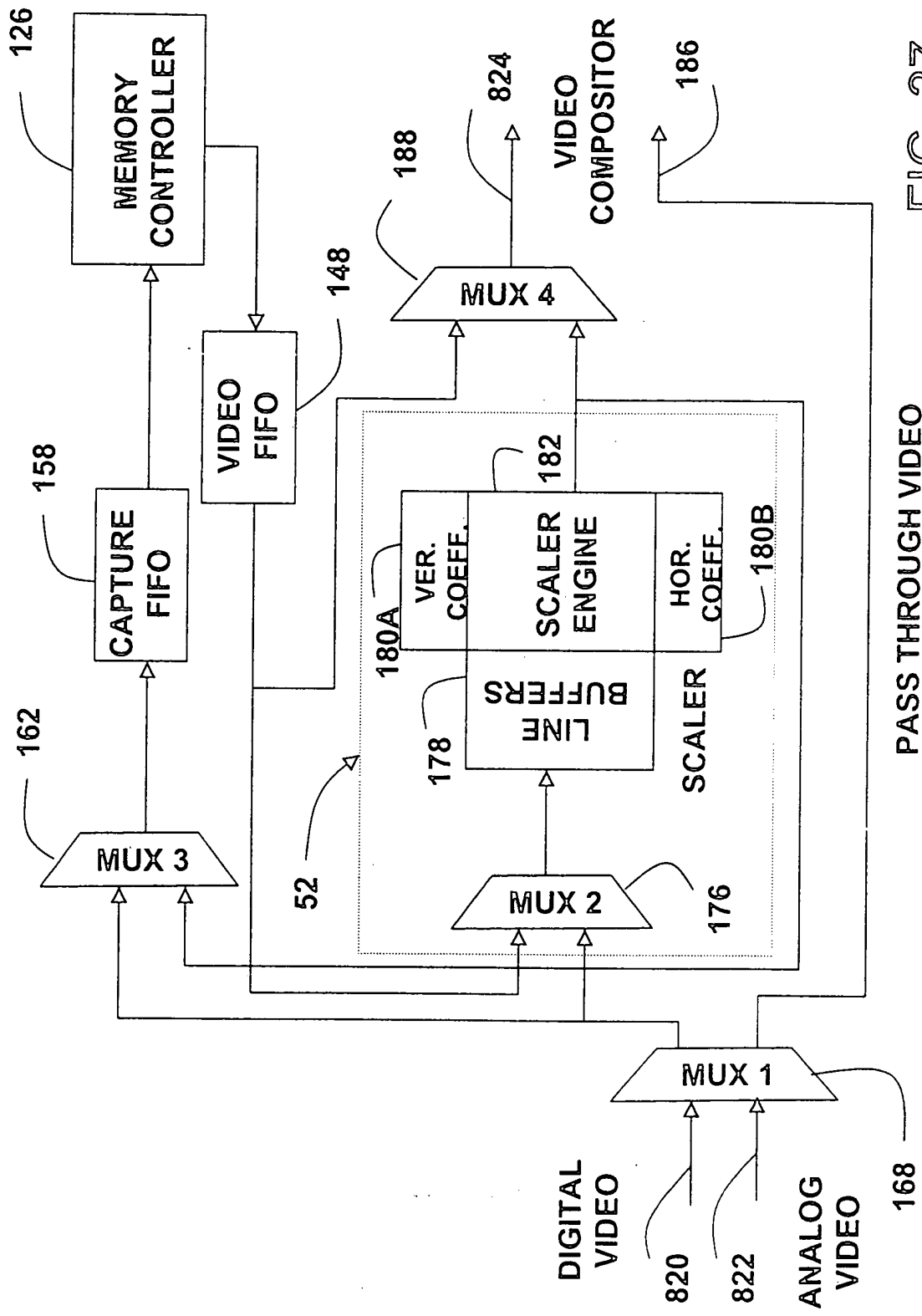


FIG. 27

09427520 1.0000



```

graph TD
    920([RESET]) --> 922{VSYNC ?}
    922 --> 924[LOAD BOTTOM MOST WINDOW]
    924 --> 926[BLEND NEXT WINDOW]
    926 --> 928{LAST WINDOW ON LINE}
    928 -- NO --> 922
    928 -- YES --> 930{LAST LINE OF FIELD ?}
    930 -- YES --> 922
    930 -- NO --> 932[GO TO NEXT LINE]
    932 --> 922

```

FIG. 22

FIG. 29

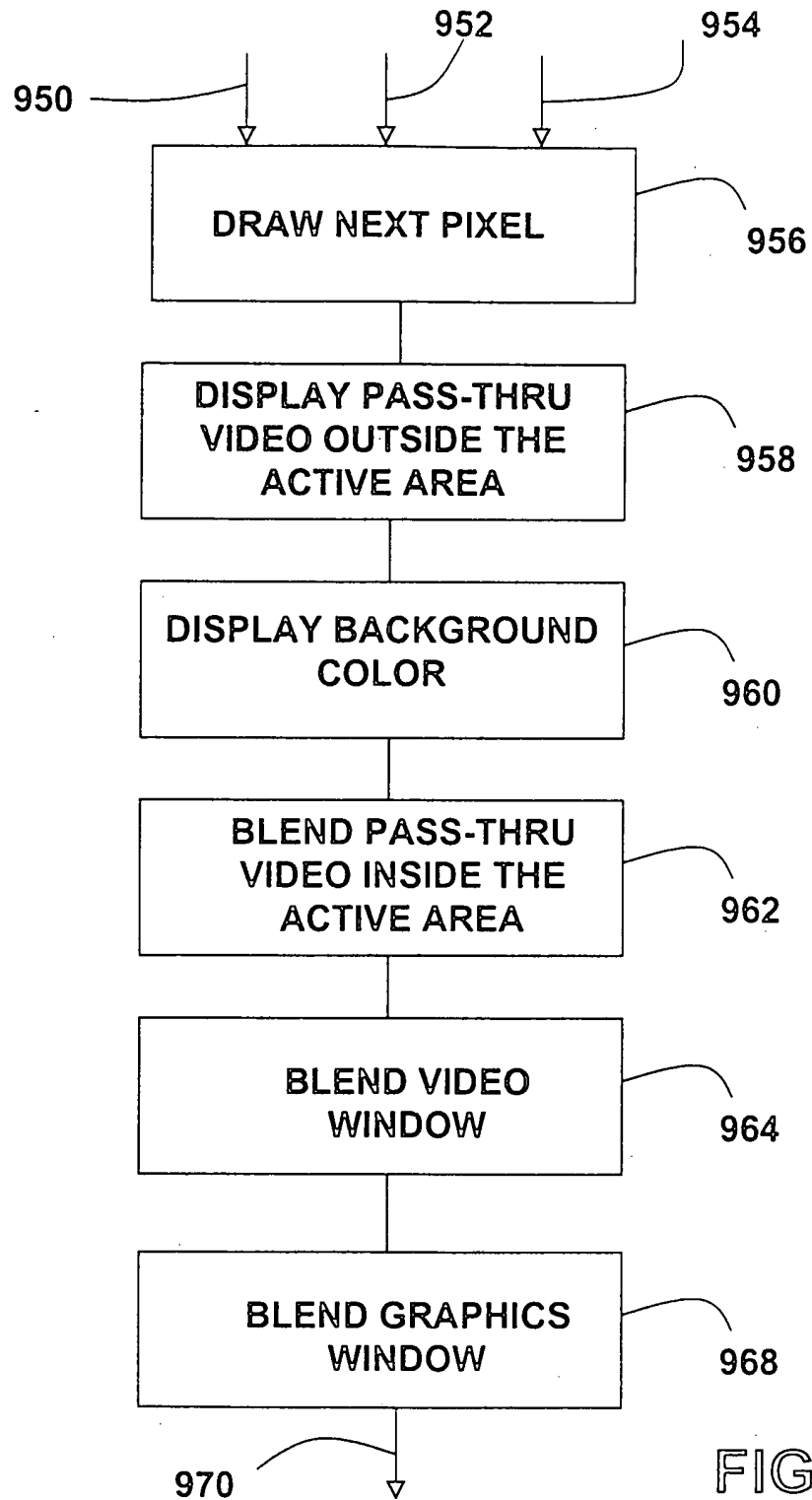
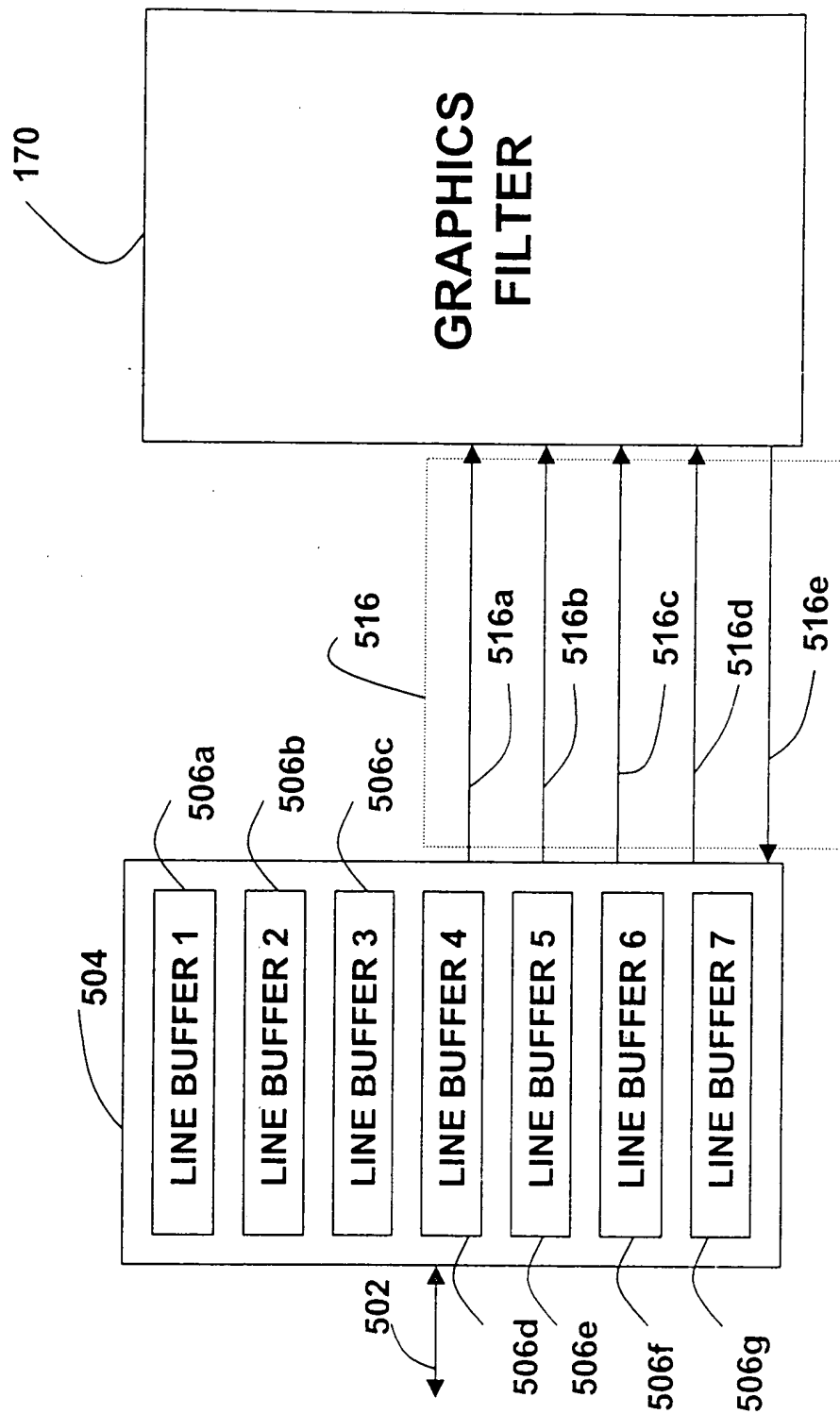


FIG. 30



**FIG. 31**

Year	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

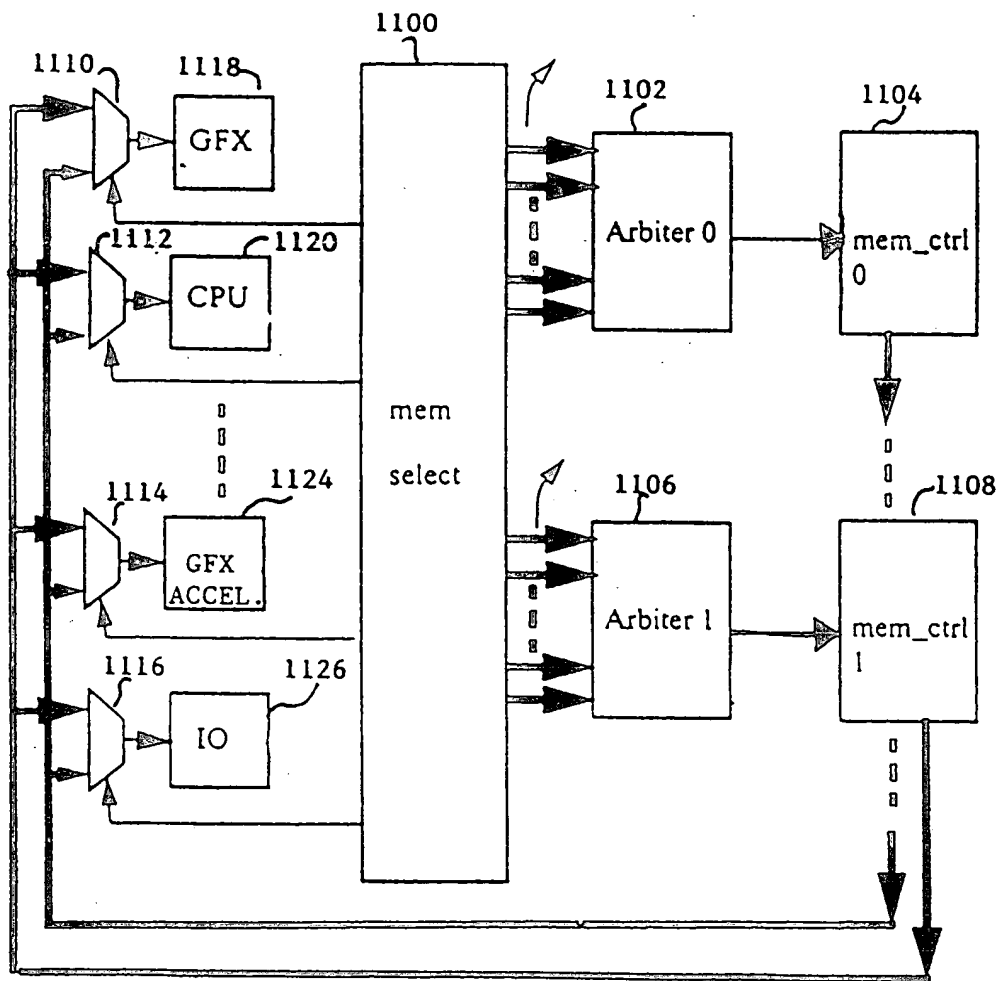


FIG. 32



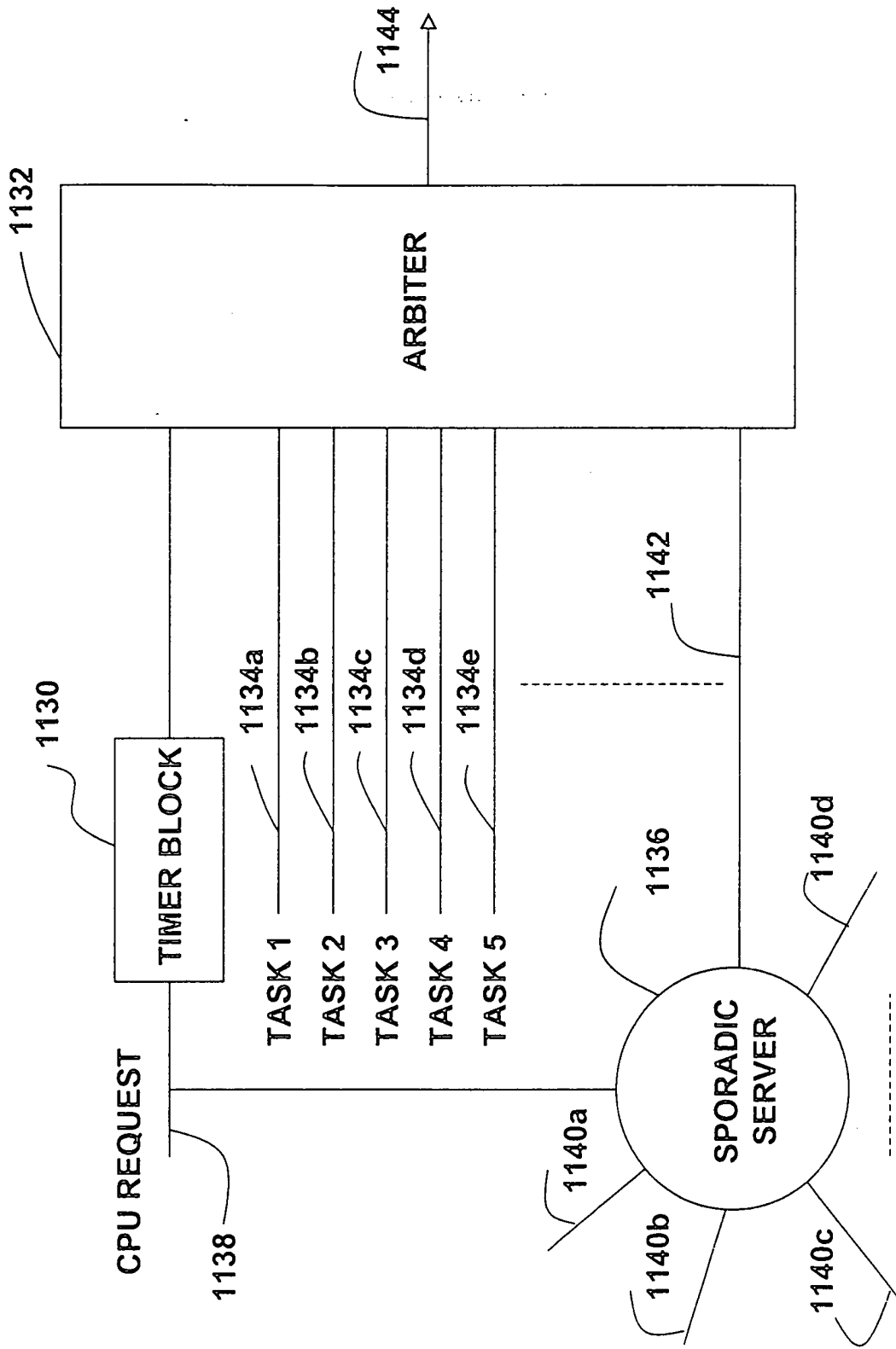


FIG. 33

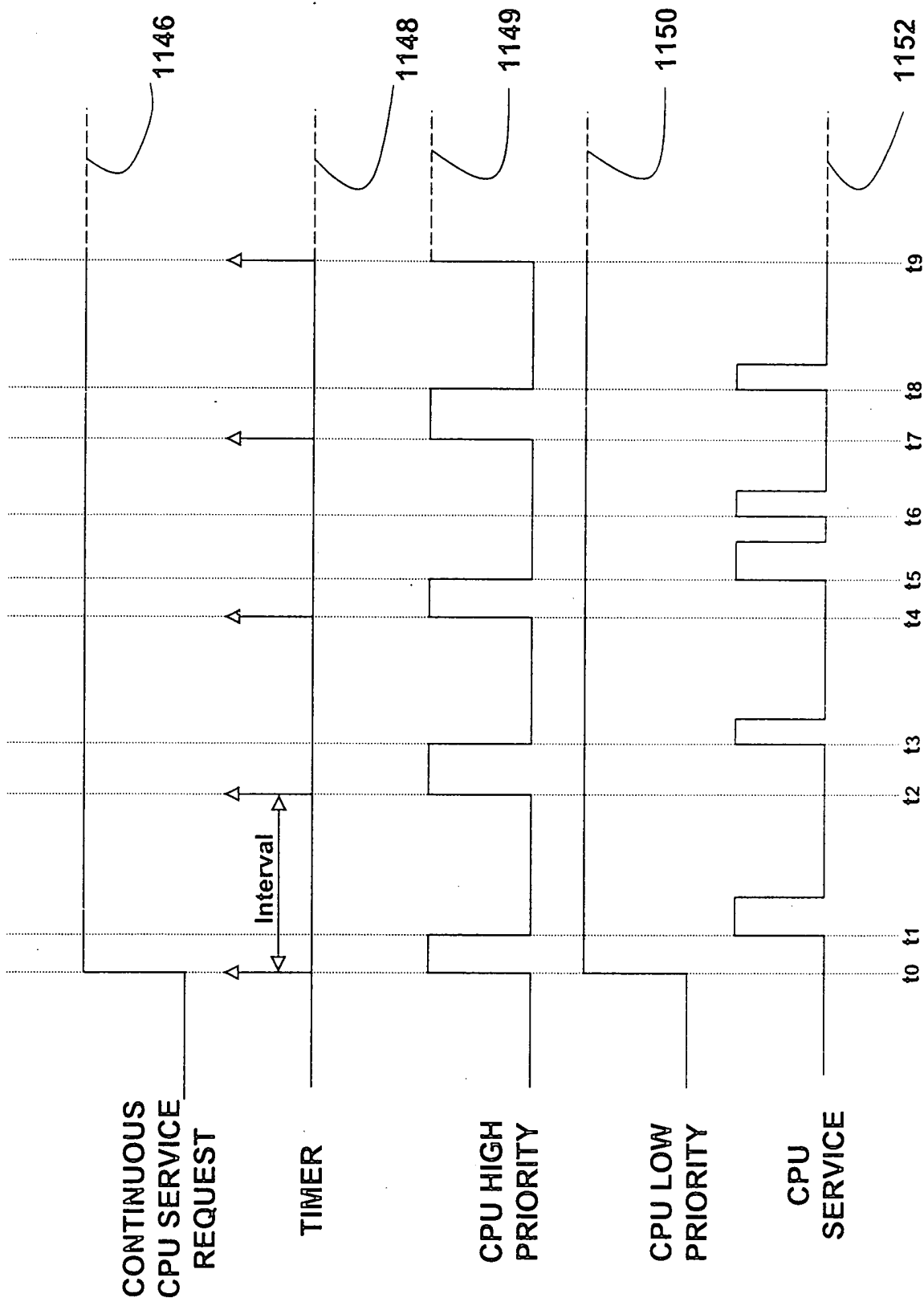


FIG. 34

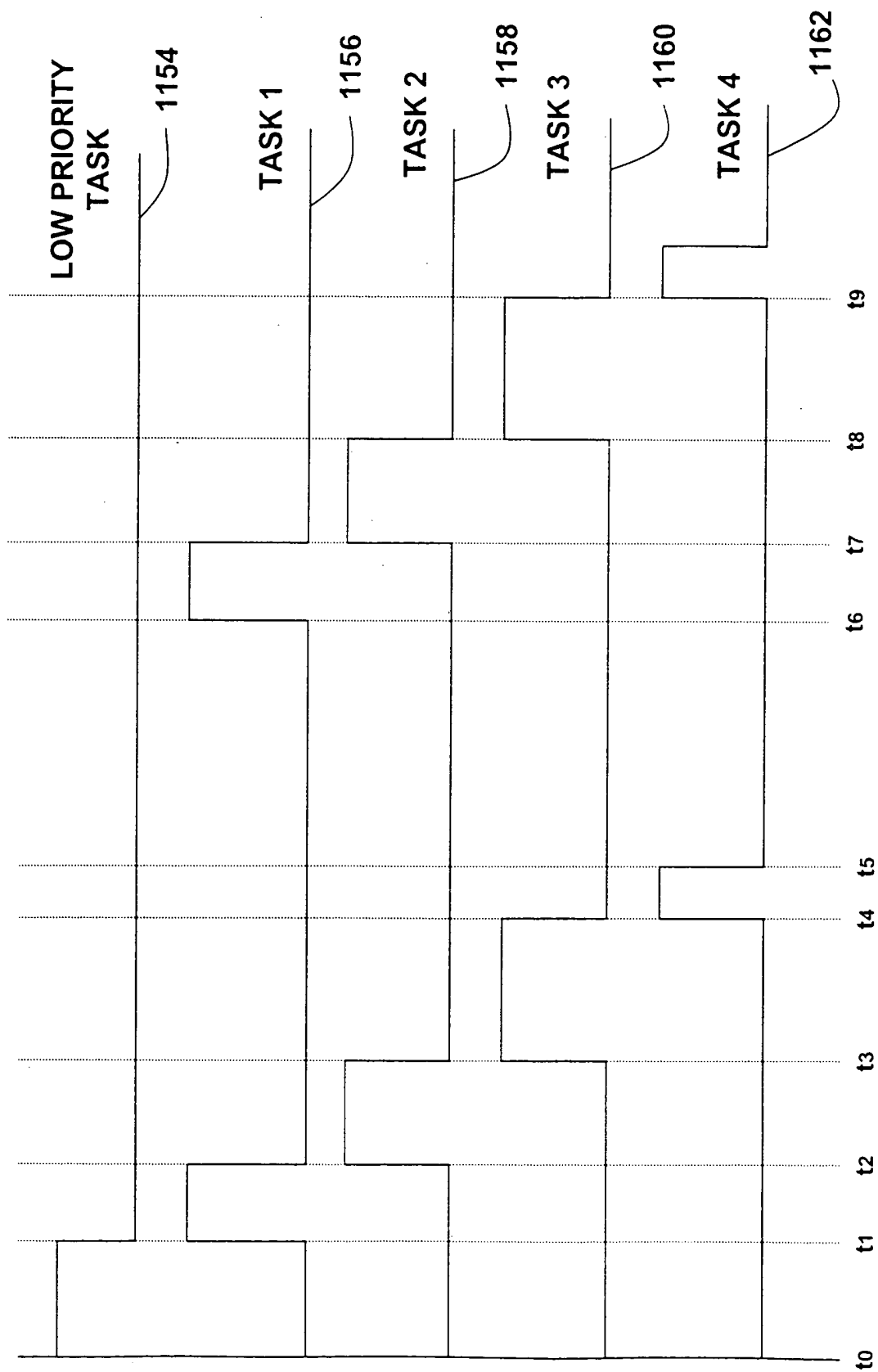


FIG. 35

Highest Priority

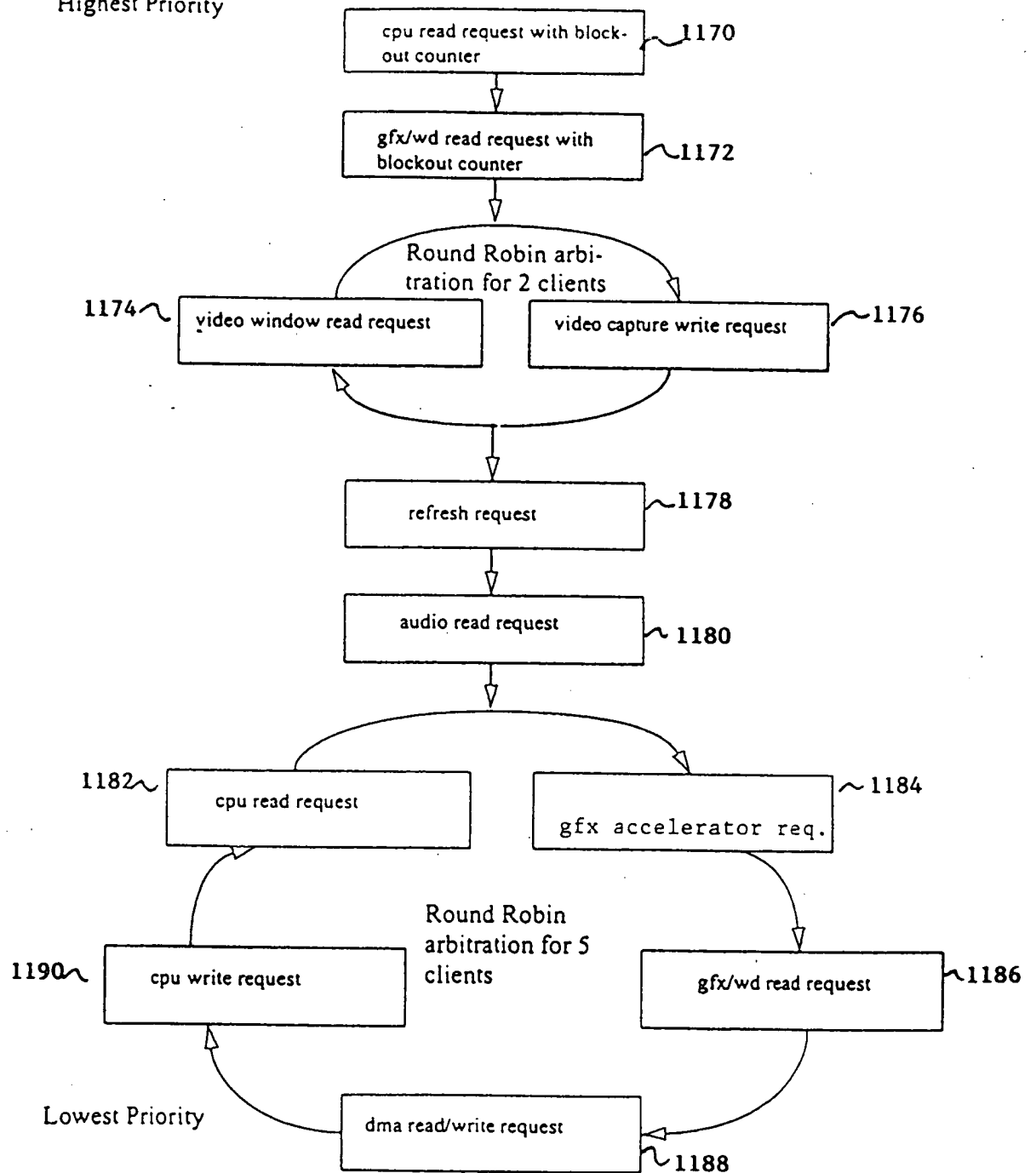


FIG. 36

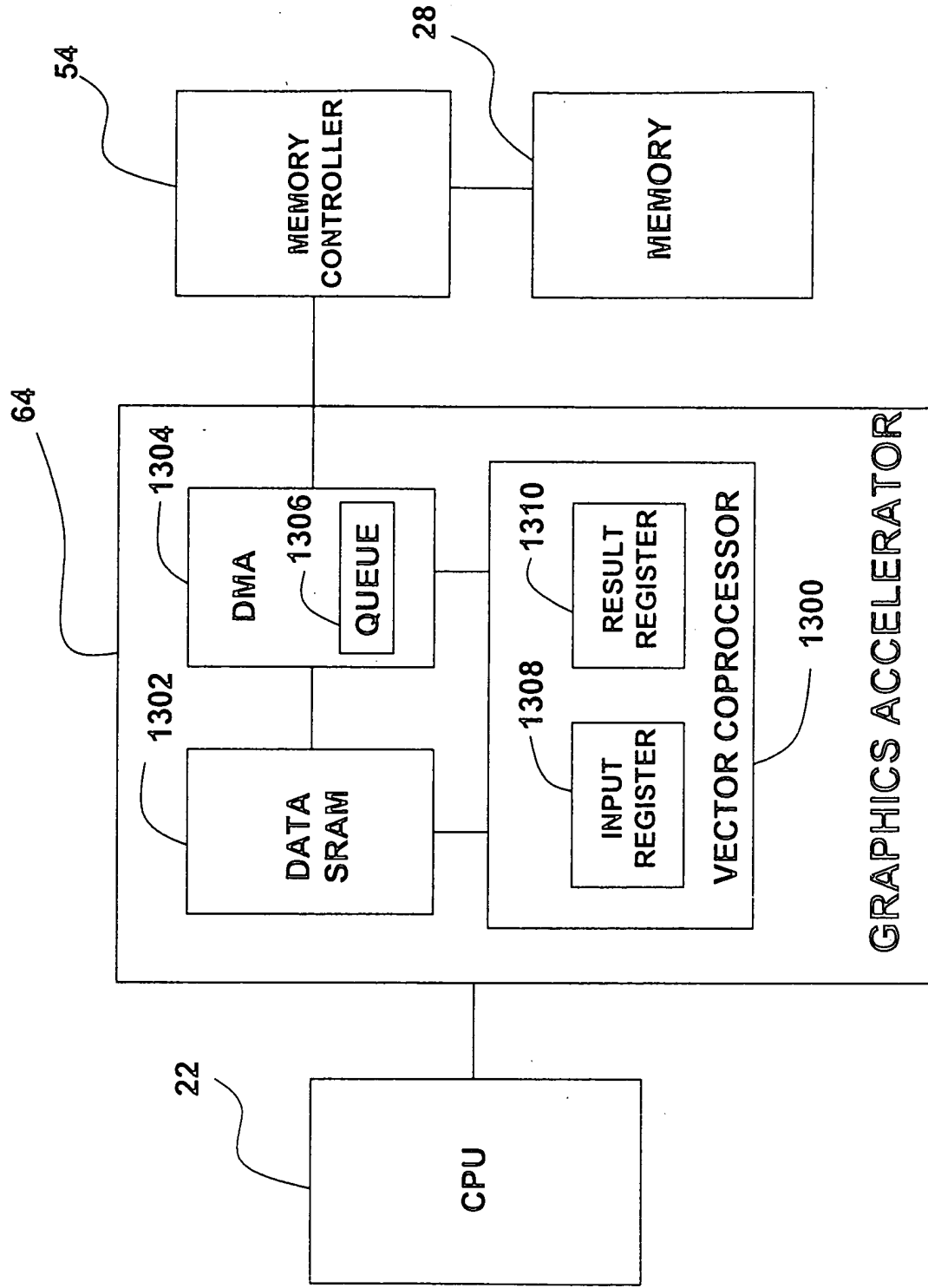


FIG. 37

09437590 110999